FURNITURE & EQUIPMENT

EASILY CONVEY CHALLENGING TOPICS
WITH LEYBOLD´S SOLUTIONS

With Leybold´s solutions, your trainees and students can effectively learn the complex class subjects in the areas of electrical engineering, automotive technology as well as renewable energy technology. Our furniture system and our didactic equipment and educational systems for technical vocational training ideally combine theory and practice and can be seamlessly integrated into the project work.

This catalog presents our furniture system Leylab and our professional power supply system Leylab power. With us, you will receive customized solutions for your technology and workshop lab that are adapted to the individual fields of instruction.

LD DIDACTIC GmbH is a world leader in the production of high-grade scientific and technical educational systems for schools, universities and vocational training. LD DIDACTIC distributes its products and complete solutions under the brand name LEYBOLD.
Content

Leylab *aluline*
Students' benches, Laboratory benches, Functional benches

Leylab *basic*
Students' benches, Laboratory benches, Functional benches

Hanging lower cabinets, mobile container

Workplace with floor units
Instructor bench, wall workplace and window workplace

Experiment stands, trolleys, media tables

Cabinets
Cupboards, shelves

Board arrangements

Chairs

Leylab *power*

power supply systems 19'' / 3 HU
Leylab .control

Annex
Floor plan, Projects

Subject to change without notice.

June 2013
YOUR TECHNICAL LABORATORY FOR THE FUTURE

MULTIFUNCTIONAL LAB FURNISHINGS AND DEVICES
Our LeyLab program offers you a wide selection of student, laboratory and computer desks. These are flexible, to be customized to your individual equipment and space requirements. Our power supply and experimental equipment is ideally adjusted to them. They can be connected to the available Ethernet and form the "networked learning environment" with the linked computer.

PARALLEL CONTROL OF THE EXPERIMENT SETUPS AND THE LABORATORY’S POWER SUPPLY
With LeyLab, besides the laboratory’s power supply, you can also control key devices in the complete experiment setups with the teacher’s PC. The new LeyLab control software thereby has significant advantages over comparable products. For example, the instructor can protect experiment setups from incorrect voltages or activate and operate individual devices in the experimental setup as well as trigger faults.

LEYLAB:POWER
The LeyLab control concept can integrate the laboratory’s power supply with the corresponding Ethernet interface. From the teacher’s PC, the instructor thus has access at any moment to the devices and can read or change settings. To protect the connected experimental environment, parameters can additionally be limited so that the students cannot manipulate them.
LEYLAB.CONTROL

The LEYLAB.control software is the software for the central control station in the networked laboratory, and it allows actuating the linkable power supply units in the LEYLAB power series as well as the linkable experiment boards in the TPS series. The instructor can map the laboratory in the program interface and has a graphical overview of all devices connected by Ethernet. The student PCs can have access to the individual devices and can communicate directly.

TPS.NET

Network-compatible TPS modules have an Ethernet interface, with which they can be integrated into the LEYLAB.control concept. The teacher can then access the equipment from his computer either as an observer only or actively while the students conduct the corresponding experiments. Data acquisition, parameter and limit specifications, and (safe) intrusion of errors are thus easily possible.
SPECIALIZED ROOM PLANNING AND FURNISHING

YOUR NEW LEYBOLD SPECIALIZED ROOM

Based on your ideas, we will plan your specialized room together to suit the curriculum. Our planners design your personal laboratory, in which you can tailor the desired experimental equipment, furniture and storage solutions to your available space.

Because of our long-standing experience, we are your reliable partner in all aspects from project planning until implementation.
ALL FROM THE SAME SOURCE

SPECIALIZED ROOM PLANNING
- Furnishing related to practice
- Observance of safety standards
- Creation of planning documents
- Formulation of output texts

FURNISHINGS
- Customized solutions
- Networking of the educational systems
- Storage solutions appropriate for the devices and fixtures
- Long future-purchase and supplement guarantees

FINANCING
- Leasing packages for specialized room furnishings and equipment

LEYBOLD®
LeyLAB *aluline*
STUDENTS’ BENCHES, LABORATORY BENCHES, FUNCTIONAL BENCHES
**ALULINE**

**TABLE ALULINE**

**Table Aluline**

**Table top:**
- 3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
- scratch-resistant, heat-resistant
- ABS edge band on all edges, 3 mm thick, impact-resistant
- colour: RAL 7035

**Table frame:**
- sturdy construction, rectangular steel tubing 50 x 25 mm, cross-struts for connecting hanging cabinets
- Table legs from aluminium profile 120 x 40 mm with integrated channels for energy and data cables
- colour: Grey with iron flicker effect B703
- Channel lid for energy and data cables
- surface powder coated
- colour: Raspberry red RAL 3027

**Table Aluline / Channel**

**Table top:**
- 3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
- scratch-resistant, heat-resistant
- ABS edge band on all edges, 3 mm thick, impact-resistant
- Wooden channel, prepared to the admission of well-chosen 19” power supply systems
- colour: RAL 7035

**Table frame:**
- sturdy construction, rectangular steel tubing 50 x 25 mm, cross-struts for connecting hanging cabinets
- Table legs from aluminium profile 120 x 40 mm with integrated channels for energy and data cables
- colour: Grey with iron flicker effect B703
- Channel lid for energy and data cables
- surface powder coated
- colour: Raspberry red RAL 3027

**Combination possibilities**
- Hanging lower cabinets / mobile container
- Panel frame
- Cockpit housings 19”, LeyLAB power
- Shelve construction, compartment shelves
- Light for cockpit
- Installation channel
- Cable bushing

**Accessories**
- ground connection to feed the table
- table connector

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Table Aluline with bench rack

Table top:
- 3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
- scratch-resistant, heat-resistant
- ABS edge band on all edges, 3 mm thick, impact-resistant
- colour: light-grey RAL 703

Table frame:
- sturdy construction, rectangular steel tubing 50 x 25 mm, cross-struts for connecting hanging cabinets
- Table legs from aluminium profile 120 x 40 mm with integrated channels for energy and data cables
- colour: Grey with iron flicker effect B703
- Channel lid for energy and data cables
- surface powder coated
- colour: Raspberry red RAL 3027

(Cockpit 1500 possible without a premium)

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Table Aluline / Channel with bench rack

Table top:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
- ABS edge band on all edges, 3 mm thick, impact-resistant
Wooden channel, prepared to the admission of well-chosen 19” power supply systems
colour: light-grey RAL 7035

Table frame:
sturdy construction, rectangular steel tubing 50 x 25 mm, cross-struts for connecting hanging cabinets
Table legs from aluminium profile 120 x 40 mm with integrated channels for energy and data cables
colour: Grey with iron flicker effect B703
Channel lid for energy and data cables
surface powder coated
colour: Raspberry red RAL 3027

(Cockpit 1500 possible without a premium)

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Combination possibilities
- Hanging lower cabinets / mobile container
  Chapter M2
- Panel frame
  Chapter M0
- Cockpit housings 19”
  Chapter M0
- Power supply systems 19”, LeyLAB power
  Chapter M8
- Shelve construction, compartment shelves
  Chapter M0
- Light for cockpit
  Chapter M0
- Installation channel
- Cable bushing

Accessories
- ground connection to feed the table
- table connector
COCKPIT STRUCTURE FOR 19" / 3 HU POWER SUPPLY SYSTEMS

Bench rack Aluline

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19"-Channel housing for bench rack Aluline

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<td>725311</td>
<td>Channel housing 1600 (module insert width 287 TU) Equipped with 19&quot; module</td>
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<tr>
<td>725312</td>
<td>Channel housing 1800 (module insert width 322 TU) Equipped with 19&quot; module</td>
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<tr>
<td>725313</td>
<td>Channel housing 2000 (module insert width 364 TU) Equipped with 19&quot; module</td>
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Terminals

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Modules for terminal

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<td>Light module 35W</td>
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**Bench Rack 3HE Aluline**

850502

Bench rack Aluline 1200

- Bench rack, ready for mounting of channel housings to accommodate 19” devices with 3 height units.

Equipped with:
- 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
  - H: 185 mm, W: 1200 mm, D: 295 mm

850507

Bench rack Aluline 1600

- Bench rack, ready for mounting of channel housings to accommodate 19” devices with 3 height units.

Equipped with:
- 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
  - H: 185 mm, W: 1600 mm, D: 295 mm

850512

Bench rack Aluline 1800

- Bench rack, ready for mounting of channel housings to accommodate 19” devices with 3 height units.

Equipped with:
- 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
  - H: 185 mm, W: 1800 mm, D: 295 mm

850517

Bench rack Aluline 2000

- Bench rack, ready for mounting of channel housings to accommodate 19” devices with 3 height units.

Equipped with:
- 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
  - H: 185 mm, W: 2000 mm, D: 295 mm

* CHANNEL HOUSING FOR B. RACK Aluline*

725310

Channel housing for bench rack Aluline 1200

Channel housing for the bench rack Aluline 1200, for mounting of 19” devices with 3 height units; consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.

Equipped with:
- 6 connection sockets, 5-pole for supply of maximum 6 x 19” devices
  - available module insert width: 203 TU

725311

Channel housing for bench rack Aluline 1600

Channel housing for the bench rack Aluline 1600, for mounting of 19” devices with 3 height units; consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.

Equipped with:
- 8 connection sockets, 5-pole, for supply of maximum 8 x 19” devices
  - available module insert width: 287 TU

725312

Channel housing for bench rack Aluline 1800

Channel housing for the bench rack Aluline 1800, for mounting of 19” devices with 3 height units; consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.

Equipped with:
- 9 connection sockets, 5-pole, for supply of maximum 9 x 19” devices
  - available module insert width: 322 TU

725313

Channel housing for bench rack Aluline 2000

Channel housing for the bench rack Aluline 2000, for mounting of 19” devices with 3 height units; consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.

Equipped with:
- 10 connection sockets, 5-pole, for supply of maximum 10 x 19” devices
  - available module insert width: 364 TU

* Leylabpower power supplies: chapter M8
Shelve Aluline

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Compartment shelves inclinable Aluline

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## Panel frame A4, one level

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## Panel frame A4, two level

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<td>Panel frame A4, two level, 2000</td>
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## Assembly grid AluLine

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## Panel frame A4, two level for the L&tR system

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Multifunctional Lowerable and Raising system (L&R)

Individual laboratory configuration
Multifunctional lowerable and raising systems offers you a completely enclosed table surface for theoretical teaching and increased pupil attentiveness since none of the important power units required for practical teaching can be reached.

Once you start practical work, extend the individually fitted power supply unit as required and use it for experimenting.

Prepared for lab tables aluline and basic.

Optional: Control system via LAN
The L&R system can optionally be embedded in your LAN.

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<td>L&amp;R system 2000.NET</td>
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Accessories for the L&R system: lab table, power supply modules 3 HU, Panel frames, software Leylab.control

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Software: Leylab.control
Software for the operation of the LAN-controlled power supplies of the LEYLAB.net series as well as the training panels of the TPS.net series. Edit mode for the generation of location plans, including the feature to equip the desks with available devices and to build instrumentation groups.
Table Aluline

Table top:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
ABS edge band on all edges, 3 mm thick, impact-resistant
colour: light-grey RAL 7035

Table frame:
sturdy construction, rectangular steel tubing 50 x 30 x 2 mm,
cross-struts for connecting hanging cabinets
Table legs from aluminium profile 120 x 40 mm
with integrated channels for energy and data cables
colour: Grey with iron flicker effect B703
Channel lid for energy and data cables
surface powder coated
colour: Raspberry red RAL 3027

Corner panels

Table top:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
ABS edge band on all edges, 3 mm thick, impact-resistant
colour: light-grey RAL 7035

Accessories for corner panels

Fastening set consisting of connection corners and support base

**Table: Aluline**

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**Corner panels**

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Mobile trolleys Aluline

Table top:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
ABS edge band on all edges, 3 mm thick, impact-resistant
colour: RAL 7035

Table frame:
sturdy construction, rectangular steel tubing
50 x 30 x 2 mm, cross-struts for connecting hanging cabinets
Table legs from aluminium profile 120 x 40 mm
with integrated channels for energy and data cables
colour: Grey with iron flicker effect B703
Channel lid for energy and data cables surface powder coated
colour: Raspberry red RAL 3027

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Project carriages

Lower cabinet:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
ABS edge band on all edges, 3 mm thick, impact-resistant
colour: RAL 7035

Table frame:
sturdy construction, rectangular steel tubing 50 x 30 x 2 mm,
cross-struts for connecting hanging cabinets
Table legs from aluminium profile 120 x 40 mm with integrated
color: Grey with iron flicker effect B703
Channel lid for energy and data cables
colour: Raspberry red RAL 3027

Accessories for Project carriages

Grooved mat for mechatronic
Cat. No.: Width (mm) Depth (mm) Height (mm)
Base panel mechatronic 800 550 30
Channel housing 610 725106 610 228 133
(Module insert width 119 PU) equipable with 19" inserts

recommended accessory: 3 HU system

recommended accessories: 3 HU system and panel frame
Basic element Aluline

State column:
Aluminium profile 120 x 40 mm with channels for integrated energy and data lines
Surface: powder-coated
Colour: Grey with iron cilium effect DB 703
Channel lid for energy and data lines
Surface: powder-coated
Colour: Raspberry red RAL 3027
incl. base for the ground connection and level-compensatory max. height 2700 mm (please indicate height)

Cat. No.: Basic element
850801 Basic element 2700 Aluline P
850802 Wall mountings
850803 Ceiling mountings
850812 Cross strut 1200

Accessories

Cat. No.:
850712 Compartment shelf, bendable, AluLine 1200
850822 Bench top (1120x650 mm)
850832 Lam. Tabletop (1120x650 mm)
850311 Hanging drawer, 2.5HU

Panel frames

Cat. No.:
850722 Panel frame A4, one level, 1200
850734 Panel frame A4, two level, 1200
850742 Assembly grid Aluline 1200 (1120x730 mm)

Assembly grid
Project carriages Aluline 1200

Underframe:
- Stable steel tube frame from square tube with 4 swivel rollers,
- of it 2 noticeable
State column:
- Aluminium profile 120 x 40 mm with channels for integrated energy and data lines
Surface: powder-coated
Colour: Grey with iron cilium effect DB 703
Channel lid for energy and data lines
Surface: powder-coated
Colour: Raspberry red RAL 3027
to pick up panel frames and assembly grids
Width: 1200 mm, Depth: 900 mm, Height: 1950 mm

Ideally for installation exercises
LeyLAB *basic*
STUDENT´S BENCHES, LABORATORY BENCHES, MULTIFUNCTIONAL BENCHES
STUDENT BENCHES

Student benches C

Bench top:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
ABS edge band on all edges, 3 mm thick, impact-resistant
colour: RAL 7035

Bench frame:
C-shaped side parts from rectangle steel tube 60 x 40 mm with plastic screen,
plastic cover
plastic protection caps for floor, height adjustable
surface powder coated
colour: Grey with iron flicker effect DB703
Rear wall from 19 mm of fine chip board, 365 mm highly

---

Cat. No. Width (mm) Depth (mm) Height (mm)
851001 600 600 750
851002 1200 600 750
851003 1500 600 750
851004 1800 600 750

Student benches

Bench top:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
ABS edge band on all edges, 3 mm thick, impact-resistant
colour: RAL 7035

Laboratory bench frame:
sturdy construction, rectangular steel tubing
legs: 40 x 40 mm
allround supporting frame: 50 x 25 mm
plastic protection caps for floor, height adjustable
surface powder coated
colour: DB703

---

Cat. No. Width (mm) Depth (mm) Height (mm)
851011 600 600 750
851012 1200 600 750
851013 1500 600 750
851014 1800 600 750
Laboratory bench, trapezoid table

Laboratory benches

Bench top:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
ABS edge band on all edges, 3 mm thick, impact-resistant
colour: RAL 7035

Laboratory bench frame:
sturdy construction, rectangular steel tubing
legs: 40 x 40 mm
allround supporting frame: 50 x 25 mm
plastic protection caps for floor, height adjustable
surface powder coated
colour. DB703

Combination possibilities
-Hanging lower cabinets / mobile container
-mobile

Accessories
-ground connection to feed the table
-table connector

Trapezoid table

Bench top:
3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
scratch-resistant, heat-resistant
ABS edge band on all edges, 3 mm thick, impact-resistant
colour: RAL 7035

Laboratory table frame:
sturdy construction, rectangular steel tubing
legs: 40 x 40 mm
allround supporting frame: 50 x 25 mm
plastic protection caps for floor, height adjustable
surface powder coated
colour. DB703

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Laboratory bench BK
(for power supply and panel frames)

Bench top:
with 2 M8 threaded inserts for attaching panel frame or assembly
grid or 2 HU channel module housing
2 holes, 35 mm diameter, for channel wiring
3-ply fine grain chip board, both sides coated with melamine resin,
according to DIN 68765
-scratch-resistant, heat-resistant
ABS edge band on all edges, 2 mm thick, impact-resistant
colour: RAL 7035

Laboratory bench frame:
sturdy construction, rectangular steel tubing
legs: 40 x 40 x 2 mm
allround supporting frame: 50 x 30 x 2 mm
plastic protection caps for floor, height adjustable
surface powder coated
colour: DB703

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<tr>
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Combination possibilities
-Hanging lower cabinets / mobile container
-Panel frame A4
-Cockpit housings 19", LeyLAB power
-Devices board
-Installation channel
-Cable bushing
-mobile

Accessories
-ground connection to feed the table
-table connector
**Computer table (with channel and flap)**

**Table top:**
- 3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
- scratch-resistant, heat-resistant
- ABS edge band on all edges, 3 mm thick, impact-resistant
- colour: RAL 7035

**Cable channel with flap,** to open to the rear, over the entire table width, Brush border for sealing, prepared for the admission of supplying channels equips with 3HU employments with 2 cable holes right and left, to the connection of PC lower cabinet

**Laboratory bench frame:**
- stable construction from square bar steel pipe
- legs: 40 x 40 mm
- allround supporting frame: 50 x 25 mm
- Tie bar for fastening lower cabinets
- plastic protection caps for floor, height adjustable
- surface powder coated
- colour: Grey with iron flicker effect B703

---

**Combination possibilities**
- Hanging lower cabinets / mobile container
- -mobile

**Chapter M2**

**Accessories**
- Ground connection to feed the table
- Table connector

---

**Cat. No.:**  
851416  
851418  
851419  
851426  
851428  
851429

**Width (mm) **
1600  
1800  
2000  
1600  
1800  
2000

**Depth (mm) **
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900  
900  
900

**Height (mm) **
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<td>Bench rack 1300</td>
<td>Bench rack, ready for mounting of channel housings to accommodate 19&quot; devices with 3 height units.</td>
<td>183 mm, 1323 mm, 330 mm</td>
<td>2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console</td>
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<tr>
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<td>Channel housing for bench rack 1300</td>
<td>Channel housing for the bench rack 1300 mounting of 19&quot; devices with 3 height units; consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.</td>
<td>183 mm, 1323 mm, 330 mm</td>
<td>6 connection sockets, 5-pole for supply of maximum 6 x 19&quot; devices available module insert width: 203 TU</td>
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<td>Bench rack, ready for mounting of channel housings to accommodate 19&quot; devices with 3 height units.</td>
<td>183 mm, 1600 mm, 330 mm</td>
<td>2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console</td>
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<td>183 mm, 1600 mm, 330 mm</td>
<td>8 connection sockets, 5-pole, for supply of maximum 8 x 19&quot; devices available module insert width: 287 TU</td>
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<td>Bench rack, ready for mounting of channel housings to accommodate 19&quot; devices with 3 height units.</td>
<td>183 mm, 1800 mm, 330 mm</td>
<td>2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console</td>
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<td>Channel housing for bench rack 1800</td>
<td>Channel housing for the bench rack 1800 for mounting of 19&quot; devices with 3 height units; consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.</td>
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<td>9 connection sockets, 5-pole, for supply of maximum 9 x 19&quot; devices available module insert width: 322 TU</td>
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<td>- Bench rack, ready for mounting of channel housings to accommodate 19&quot; devices with 3 height units.</td>
<td>183 mm, 2000 mm, 330 mm</td>
<td>2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console</td>
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<td>Channel housing for bench rack 2000</td>
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<td>183 mm, 2000 mm, 330 mm</td>
<td>10 connection sockets, 5-pole, for supply of maximum 10 x 19&quot; devices available module insert width: 364 TU</td>
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</table>
Multifunctional lowerable and raising systems (L&R)

Individual laboratory configuration
Multifunctional lowerable and raising systems offers you a completely enclosed table surface for theoretical teaching and increased pupil attentiveness since none of the important power units required for practical teaching can be reached.

Once you start practical work, extend the individually fitted power supply unit as required and use it for experimenting.

Prepared for lab tables aluline and basic.

Optional: Control system via LAN
The L&R system can optionally be embedded in your LAN.

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<td>L&amp;R system 2000.NET</td>
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Accessories for the L&R system: lab table, power supply modules 3 HU, Panel frames, software Leylab.control

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<tr>
<td>726092*</td>
<td>Panel frame KH 200 two level</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>725006</td>
<td>Software Leylab.control</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>725007</td>
<td>Software Leylab.control lite</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>853950</td>
<td>Operator panel for L&amp;R system</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>without network</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Software: Leylab.control
Software for the operation of the LAN-controlled power supplies of the LEYLAB.net series as well as the training panels of the TPS.net series. Edit mode for the generation of location plans, including the feature to equip the desks with available devices and to build instrumentation groups.
HANGING LOWER CABINETS, MOBILE CONTAINER
HANGING LOWER CABINETS, MOBILE CONTAINER

HANGING LOWER CABINETS, 600 MM

sturdy wood casing of 19 mm 3-ply fine grain chip board according to DIN 68765, both sides coated with melamine resin
ABS edge band on all edges, 3 mm thick
colour: light grey RAL 7035

852301
Hanging lower cabinet, door left
wing door, salient, left hinged
Cylinder lock
1 shelf, 19 mm thick

Width: 430 mm
Depth: 600 mm
Height: 495 mm

852302
Hanging lower cabinet, door right
wing door, salient, right hinged
Cylinder lock
1 shelf, 19 mm thick

Width: 430 mm
Depth: 600 mm
Height: 495 mm

852303
Hanging lower cabinet, 4x2HU
4 organization drawers, all plastic, height 2 HU
designed with partition slots for practical organization of drawers
4/5 pull-out length on rollers
cylinder lock with central locking

Width: 430 mm
Depth: 600 mm
Height: 495 mm

852305
Hanging lower cabinet, 1x2HU, 1x6HU
1 organization drawer, all plastic, height 2 HU
1 organization drawer, all plastic, height 6 HU
designed with partition slots for practical organization of drawers
4/5 pull-out length on rollers
cylinder lock with central locking

Width: 430 mm
Depth: 600 mm
Height: 495 mm

852306
Hanging lower cabinet, 1x2HU, 2x3HU
1 organization drawer, all plastic, height 2 HU
2 organization drawers, all plastic, height 3 HU
designed with partition slots for practical organization of drawers
4/5 pull-out length on rollers
cylinder lock with central locking

Width: 430 mm
Depth: 600 mm
Height: 495 mm

852308
Hanging lower cabinet, 2.5HU
1 organization drawer, all plastic, height 2.5 HU
designed with partition slots for practical organization of drawers
4/5 pull-out length on rollers
cylinder lock with central locking

Width: 430 mm
Depth: 600 mm
Height: 155 mm
HANGING LOWER CABINETS, MOBILE CONTAINER

HANGING LOWER CABINETS PC

852311

Hanging lower cabinet, PC, door left
wing door, salient, left hinged
cylinder lock
Inside dimensions: 292 x 550 x 450 mm
Accessories:
RJ45 socket, surface mounting type and 2 Schuko sockets
2 Schuko sockets

852312

Hanging lower cabinet, PC, door right
wing door, salient, right hinged
cylinder lock
Inside dimensions: 292 x 550 x 450 mm
Accessories:
RJ45 socket, surface mounting type and 2 Schuko sockets
2 Schuko sockets

726285

PC bracket
From light grey varnished steel metal, for the accommodation of
a Tower case. To mount on the left or on the right.
HANGING LOWER CABINETS, MOBILE CONTAINER

HANGING LOWER CABINET FOR MULTIFUNCTIONAL BENCHES

**852309**

Hanging lower cabinet, door left for folding benches  
wing door, salient, left hinged  
cylinder lock  
1 shelf, 19 mm thick

<table>
<thead>
<tr>
<th>Width:</th>
<th>430 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth:</td>
<td>480 mm</td>
</tr>
<tr>
<td>Height:</td>
<td>495 mm</td>
</tr>
</tbody>
</table>

**852310**

Hanging lower cabinet, door right for folding benches  
wing door, salient, right hinged  
cylinder lock  
1 shelf, 19 mm thick

<table>
<thead>
<tr>
<th>Width:</th>
<th>430 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth:</td>
<td>480 mm</td>
</tr>
<tr>
<td>Height:</td>
<td>495 mm</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>852320</td>
<td>Additional shelf</td>
</tr>
<tr>
<td>852325</td>
<td>Socket, surface mounting type, with RJ-45 and outlet 2-fold for PC lower cabinet</td>
</tr>
<tr>
<td>852326</td>
<td>Outlet 2-fold for PC lower cabinet</td>
</tr>
</tbody>
</table>
HANGING LOWER CABINETS, MOBILE CONTAINER

MOBILE CONTAINER

sturdy wood casing of 19 mm 3-ply fine grain chip board according to DIN 68765, both sides coated with melamine resin
ABS edge band on all edges, 3 mm thick
4 swivel rollers, 2 of them can be locked
colour: light grey RAL 7035

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>852361</td>
<td>Mobile container, door left &lt;br&gt;wing door, salient, left hinged &lt;br&gt;cylinder lock &lt;br&gt;1 shelf, 19 mm thick</td>
<td>Width: 430 mm &lt;br&gt;Depth: 600 mm &lt;br&gt;Height: 620 mm</td>
</tr>
<tr>
<td>852362</td>
<td>Mobile container 760, door right &lt;br&gt;wing door, salient, right hinged &lt;br&gt;cylinder lock</td>
<td>Width: 430 mm &lt;br&gt;Depth: 600 mm &lt;br&gt;Height: 620 mm</td>
</tr>
<tr>
<td>852363</td>
<td>Mobile container 760, 5x2HU &lt;br&gt;5 organization drawers, all plastic, height 2 HU &lt;br&gt;designed with partition slots for practical organization of drawers &lt;br&gt;4/5 pull-out length on rollers &lt;br&gt;cylinder lock with central locking</td>
<td>Width: 430 mm &lt;br&gt;Depth: 600 mm &lt;br&gt;Height: 620 mm</td>
</tr>
<tr>
<td>852364</td>
<td>Mobile container 760, 1x2HU, 2x4HU &lt;br&gt;1 organization drawer, all plastic, height 2 HU &lt;br&gt;2 organization drawers, all plastic, height 4 HU &lt;br&gt;designed with partition slots for practical organization of drawers &lt;br&gt;4/5 pull-out length on rollers</td>
<td>Width: 430 mm &lt;br&gt;Depth: 600 mm &lt;br&gt;Height: 620 mm</td>
</tr>
<tr>
<td>852366</td>
<td>Mobile container 760, 2x2HU, 2x3HU &lt;br&gt;2 organization drawers, all plastic, height 2 HU &lt;br&gt;2 organization drawers, all plastic, height 3 HU &lt;br&gt;designed with partition slots for practical organization of drawers &lt;br&gt;4/5 pull-out length on rollers &lt;br&gt;cylinder lock with central locking</td>
<td>Width: 430 mm &lt;br&gt;Depth: 600 mm &lt;br&gt;Height: 620 mm</td>
</tr>
</tbody>
</table>
## Accessories for Hanging Lower Cabinets, Mobile Container

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>852391</td>
<td>Across division</td>
</tr>
<tr>
<td>852392</td>
<td>Division in the length A5</td>
</tr>
<tr>
<td>852393</td>
<td>Division in the length A6</td>
</tr>
<tr>
<td>852394</td>
<td>A4 Slope frame 330</td>
</tr>
<tr>
<td>852395</td>
<td>A4 Slope frame 500</td>
</tr>
<tr>
<td>852396</td>
<td>Material bowl with division</td>
</tr>
<tr>
<td>852397</td>
<td>Application bowl with professional division</td>
</tr>
<tr>
<td>852398</td>
<td>Sloping filing</td>
</tr>
</tbody>
</table>
WORKPLACE WITH FLOOR UNITS

-Instructor bench, wall workplace and window workplace
**Table top**

**Table top melamine:**

3-ply fine grain chip board, both sides coated with melamine resin, according to DIN 68765
- scratch-resistant, heat-resistant
- ABS edge band on all edges, 3 mm thick, impact-resistant
- colour: light grey RAL 7035

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>853063</td>
<td>1600</td>
<td>850</td>
<td>30</td>
</tr>
<tr>
<td>853065</td>
<td>1800</td>
<td>850</td>
<td>30</td>
</tr>
<tr>
<td>853067</td>
<td>2000</td>
<td>850</td>
<td>30</td>
</tr>
<tr>
<td>853073</td>
<td>1600</td>
<td>950</td>
<td>30</td>
</tr>
<tr>
<td>853075</td>
<td>1800</td>
<td>950</td>
<td>30</td>
</tr>
<tr>
<td>853077</td>
<td>2000</td>
<td>950</td>
<td>30</td>
</tr>
</tbody>
</table>

**Multiplex top - beech (available on request)**
**FLOOR UNITS 750 MM**

Sturdy wood casing of 19 mm 3-ply fine grain chip board according to DIN 68765, both sides coated with melamine resin
ABS edge band on all edges, 3 mm thick
Colour: light grey RAL 7035

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
</tr>
</thead>
</table>
| 853201 | Under bench cabinet, door left
wing door, salient, left hinged
Metal safety lock
1 shelf, 19 mm thick
incl. base cover                              | 450 mm | 750 mm| 720 mm |
| 853202 | Under bench cabinet, door right
wing door, salient, left hinged
Metal safety lock
1 shelf, 19 mm thick
incl. base cover                              | 450 mm | 750 mm| 720 mm |
| 853203 | Under bench cabinet, 4x2HU, 1x3HU
4 organization drawers, all plastic, height 2 HU
1 organization drawer, all plastic, height 3 HU
designed with partition slots for practical organization
of drawers
4/5 pull-out length on rollers
cylinder lock with central locking
incl. base cover                              | 450 mm | 750 mm| 720 mm |
| 853204 | Under bench cabinet, 1x2HU, 3x3HU
1 organization drawer, all plastic, height 2 HU
3 organization drawers, all plastic, height 3 HU
designed with partition slots for practical organization
of drawers
4/5 pull-out length on rollers
cylinder lock with central locking
incl. base cover                              | 450 mm | 750 mm| 720 mm |
| 853205 | Under bench cabinet 700, 1x2HU, 1x3HU, 1x6HU
1 organization drawer, all plastic, height 2 HU
1 organization drawer, all plastic, height 3 HU
1 organization drawer, all plastic, height 6 HU
designed with partition slots for practical organization
of drawers
4/5 pull-out length on rollers
cylinder lock with central locking
incl. base cover                              | 450 mm | 750 mm| 720 mm |
WORKPLACE WITH FLOOR UNITS

FLOOR UNITS 750 MM

853207
Under bench cabinet, sub-distributor, door left
wing door, salient, left hinged
Metal safety lock
standing
prepared to set up a room sub-distribution
incl. base cover

853208
Under bench cabinet, sub-distributor, door right
wing door, salient, left hinged
Metal safety lock
standing
prepared to set up a room sub-distribution
incl. base cover

853217
Pedestal frame 40x750x720

853218
Compartment shelf for Under bench cabinet 750,
door left/right
PC-FLOOR UNITS

853211

Under bench cabinet 750, PC, door left
wing door, salient, left hinged
cylinder lock
1 shelf, 19 mm thick
incl. base cover

Accessories:
RJ45 socket, surface mounting type and 2 Schuko sockets
2 Schuko sockets

853213

Under bench cabinet 750, PC, door right
wing door, salient, left hinged
cylinder lock
1 shelf, 19 mm thick
incl. base cover

Accessories:
RJ45 socket, surface mounting type and 2 Schuko sockets
2 Schuko sockets

853215

Under bench cabinet 750, Printer, door left
wing door, right hinged
1 shelf, 19 mm thick
1 roller drawer, 19 mm thick
cylinder lock
incl. base cover

Width: 450 mm
Depth: 750 mm
Height: 720 mm
**FLOOR UNITS 850 MM**

**sturdy wood casing of 19 mm 3-ply fine grain chip board according to DIN 68765, both sides coated with melamine resin**

**ABS edge band on all edges, 3 mm thick**

**colour: light grey RAL 7035**

<table>
<thead>
<tr>
<th><strong>853221</strong></th>
<th>Under bench cabinet, door left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 450 mm Depth: 850 mm Height: 720 mm</td>
<td></td>
</tr>
<tr>
<td>wing door, salient, left hinged</td>
<td></td>
</tr>
<tr>
<td>Metal safety lock</td>
<td></td>
</tr>
<tr>
<td>1shelf, 19 mm thick incl. base cover</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>853222</strong></th>
<th>Under bench cabinet, door right</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 450 mm Depth: 850 mm Height: 720 mm</td>
<td></td>
</tr>
<tr>
<td>wing door, salient, left hinged</td>
<td></td>
</tr>
<tr>
<td>Metal safety lock</td>
<td></td>
</tr>
<tr>
<td>1shelf, 19 mm thick incl. base cover</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>853223</strong></th>
<th>Under bench cabinet, 4x2HU, 1x3HU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 450 mm Depth: 850 mm Height: 720 mm</td>
<td></td>
</tr>
<tr>
<td>4 organization drawers, all plastic, height 2 HU</td>
<td></td>
</tr>
<tr>
<td>1 organization drawer, all plastic, height 3 HU</td>
<td></td>
</tr>
<tr>
<td>designed with partition slots for practical organization of drawers</td>
<td></td>
</tr>
<tr>
<td>4/5 pull-out length on rollers</td>
<td></td>
</tr>
<tr>
<td>cylinder lock with central locking incl. base cover</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>853224</strong></th>
<th>Under bench cabinet, 2x2HU, 1x3HU, 1x4HU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 450 mm Depth: 850 mm Height: 720 mm</td>
<td></td>
</tr>
<tr>
<td>2 organization drawers, all plastic, height 2 HU</td>
<td></td>
</tr>
<tr>
<td>1 organization drawer, all plastic, height 3 HU</td>
<td></td>
</tr>
<tr>
<td>1 organization drawer, all plastic, height 4 HU</td>
<td></td>
</tr>
<tr>
<td>designed with partition slots for practical organization of drawers</td>
<td></td>
</tr>
<tr>
<td>4/5 pull-out length on rollers</td>
<td></td>
</tr>
<tr>
<td>cylinder lock with central locking incl. base cover</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>853225</strong></th>
<th>Under bench cabinet, 2x2HU, 1x7HU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 450 mm Depth: 850 mm Height: 720 mm</td>
<td></td>
</tr>
<tr>
<td>2 organization drawers, all plastic, height 2 HU</td>
<td></td>
</tr>
<tr>
<td>1 organization drawer, all plastic, height 7 HU</td>
<td></td>
</tr>
<tr>
<td>designed with partition slots for practical organization of drawers</td>
<td></td>
</tr>
<tr>
<td>4/5 pull-out length on rollers</td>
<td></td>
</tr>
<tr>
<td>cylinder lock with central locking incl. base cover</td>
<td></td>
</tr>
</tbody>
</table>
## Workplace with Floor Units

### Floor Units 850 mm

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>853227</td>
<td>Under bench cabinet, sub-distributor, door left</td>
<td>600 mm</td>
<td>850 mm</td>
<td>720 mm</td>
</tr>
<tr>
<td></td>
<td>wing door, salient, left hinged</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Metal safety lock</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>standing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>prepared to set up a room sub-distribution</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>incl. base cover</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>853228</td>
<td>Under bench cabinet, sub-distributor, door right</td>
<td>600 mm</td>
<td>850 mm</td>
<td>720 mm</td>
</tr>
<tr>
<td></td>
<td>wing door, salient, left hinged</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Metal safety lock</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>standing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>prepared to set up a room sub-distribution</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>incl. base cover</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>853237</td>
<td>Pedestal frame 40x850x720</td>
<td>40 mm</td>
<td>850 mm</td>
<td>720 mm</td>
</tr>
<tr>
<td>853238</td>
<td>Compartment shelf for Under bench cabinet 850, door left/right</td>
<td>390 mm</td>
<td>780 mm</td>
<td>19 mm</td>
</tr>
</tbody>
</table>
PC-FLOOR UNITS 850 MM

853231
Under bench cabinet, PC, door left
wing door, salient, left hinged
1shelf, 19 mm thick
cylinder lock
incl. base cover

Accessories:
RJ45 socket, surface mounting type and 2 Schuko sockets
2 Schuko sockets

853233
Under bench cabinet, PC, door right
wing door, salient, left hinged
1shelf, 19 mm thick
cylinder lock
incl. base cover

Accessories:
RJ45 socket, surface mounting type and 2 Schuko sockets
2 Schuko sockets

853235
Under bench cabinet, Printer, door left
Glass wing door, right hinged
1 shelf, 19 mm thick
1 roller drawer, 19 mm thick
cylinder lock
incl. base cover
## Workplace with Floor Units

### Electrical Sub-Distributor

<table>
<thead>
<tr>
<th>Number</th>
<th>Cat. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>853902</td>
<td>Electro armature, key switch power outlet, teacher's net</td>
<td></td>
</tr>
<tr>
<td>853903</td>
<td>Electro armature, key switch power outlet, student's net</td>
<td></td>
</tr>
<tr>
<td>853908</td>
<td>Electro armature, double switch power outlet, teacher's Network</td>
<td></td>
</tr>
<tr>
<td>853909</td>
<td>Electro armature, double switch power outlet, student's Network</td>
<td></td>
</tr>
<tr>
<td>853921</td>
<td>Electro armature, emergency pushbutton</td>
<td></td>
</tr>
<tr>
<td>853915</td>
<td>Electro armature, protection socket</td>
<td></td>
</tr>
<tr>
<td>853916</td>
<td>Electro armature, protection socket, double</td>
<td></td>
</tr>
<tr>
<td>853923</td>
<td>Electric armature, CEE socket</td>
<td></td>
</tr>
<tr>
<td>853950</td>
<td>Operator panel L&amp;R system, max. 12 tables</td>
<td></td>
</tr>
<tr>
<td>853991</td>
<td>Safety device B16</td>
<td></td>
</tr>
<tr>
<td>853992</td>
<td>Safety device C16</td>
<td></td>
</tr>
<tr>
<td>853994</td>
<td>Safety device C16 / 3</td>
<td></td>
</tr>
<tr>
<td>853995</td>
<td>Fault current circuit breaker 40/0,03 A</td>
<td></td>
</tr>
<tr>
<td>853996</td>
<td>Fault current circuit breaker 25/0,03 A</td>
<td></td>
</tr>
<tr>
<td>853997</td>
<td>Over voltage protection for Room Sub-distribution</td>
<td></td>
</tr>
<tr>
<td>853998</td>
<td>Main switch 63 A</td>
<td></td>
</tr>
</tbody>
</table>

Example configuration for an electro Sub-distribution for 6 table groups, to a teacher table and 12 PCs workplaces, consisting of:

<table>
<thead>
<tr>
<th>number</th>
<th>Cat. No.:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>853207</td>
<td>Under bench cabinet Room Sub-distribution, door left</td>
</tr>
<tr>
<td>1</td>
<td>853902</td>
<td>key switch power outlet, teacher's net</td>
</tr>
<tr>
<td>1</td>
<td>853921</td>
<td>emergency pushbutton</td>
</tr>
<tr>
<td>7</td>
<td>853991</td>
<td>1x Net teacher 6x Net students</td>
</tr>
<tr>
<td>1</td>
<td>853909</td>
<td>switch power Net EDV, student's without RCD</td>
</tr>
<tr>
<td>3</td>
<td>853992</td>
<td>1x EDV teacher, 2x EDV students</td>
</tr>
</tbody>
</table>
### Workplace with Floor Units

#### Wall-/Window Workplace

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>853150</td>
<td>Table top, worktable 1200 mm, ABS-edge</td>
</tr>
<tr>
<td>853151</td>
<td>Table top, worktable 1500 mm, ABS-edge</td>
</tr>
<tr>
<td>853152</td>
<td>Table top, worktable 1800 mm, ABS-edge</td>
</tr>
<tr>
<td>853153</td>
<td>Table top, worktable 2400 mm, ABS-edge</td>
</tr>
<tr>
<td>853300</td>
<td>Under bench cabinet, worktable 450 door left, back panel fixed</td>
</tr>
<tr>
<td>853320</td>
<td>Under bench cabinet, worktable 600 door left, back panel fixed</td>
</tr>
<tr>
<td>853301</td>
<td>Under bench cabinet, worktable 450 door right, back panel fixed</td>
</tr>
<tr>
<td>853321</td>
<td>Under bench cabinet, worktable 600 door right, back panel fixed</td>
</tr>
<tr>
<td>853302</td>
<td>Under bench cabinet, worktable 450 drawer, door left, back panel fixed</td>
</tr>
<tr>
<td>853322</td>
<td>Under bench cabinet, worktable 600 drawer, door left, back panel fixed</td>
</tr>
<tr>
<td>853303</td>
<td>Under bench cabinet, worktable 450 drawer, door right, back panel fixed</td>
</tr>
<tr>
<td>853323</td>
<td>Under bench cabinet, worktable 600 drawer, door right, back panel fixed</td>
</tr>
<tr>
<td>853304</td>
<td>Under bench cabinet, worktable 450 drawer, back panel fixed</td>
</tr>
<tr>
<td>853324</td>
<td>Under bench cabinet, worktable 600 drawer, back panel fixed</td>
</tr>
<tr>
<td>853305</td>
<td>Under bench cabinet, worktable 450 drawer, central locking, back panel fixed</td>
</tr>
<tr>
<td>853325</td>
<td>Under bench cabinet, worktable 600 drawer, central locking, back panel fixed</td>
</tr>
<tr>
<td>853308</td>
<td>Under bench cabinet, worktable 430, drawer, with file holder rack</td>
</tr>
<tr>
<td>853309</td>
<td>Under bench cabinet, worktable 430, drawer, with file holder rack and central locking</td>
</tr>
<tr>
<td>853326</td>
<td>Under bench cabinet, worktable for Computer, door left</td>
</tr>
<tr>
<td>853327</td>
<td>Under bench cabinet, worktable for Computer, door right</td>
</tr>
<tr>
<td>853336</td>
<td>Under bench cabinet, worktable 900, back panel firmly</td>
</tr>
<tr>
<td>853337</td>
<td>Under bench cabinet, worktable 1200, back panel firmly</td>
</tr>
<tr>
<td>853401</td>
<td>Insert file holder rack</td>
</tr>
<tr>
<td>853402</td>
<td>Drawer insert 450, 3-fold partitioning</td>
</tr>
<tr>
<td>853403</td>
<td>Drawer insert 450, 6-fold partitioning</td>
</tr>
<tr>
<td>853404</td>
<td>Drawer insert 600, 5-fold partitioning</td>
</tr>
<tr>
<td>853405</td>
<td>Drawer insert 600, 7-fold partitioning</td>
</tr>
</tbody>
</table>
EXPERIMENT STANDS, TROLLEYS
TROLLEYS, MEDIA TABLES

**Trolley**

Layer of plastic with ABS edge 3 mm,  
Frame from steel profile pipe 60 x 40 x 3 mm, pulverized,  
Subsoil from 3-ply fine grain chip board, 19 mm,  
4 castors, 2 of them can be locked

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
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<tr>
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<td>854854</td>
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<td>854855</td>
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<td>750</td>
</tr>
<tr>
<td>854858</td>
<td>1000</td>
<td>1000</td>
<td>750</td>
</tr>
</tbody>
</table>

**Trolley for Projector**

Dimensions: 1000 x 600 mm, height 900 mm,  
frame 60 x 40 x 3 mm, pulverized with an intermediate bottom, 2  
places of panels on the left and on the right arranged, layer plastic  
with running around ABS edge 3 mm, panel for projector height-  
adjustable, 4 castors, 2 of them can be locked

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>854890</td>
<td>600</td>
<td>1000</td>
<td>900</td>
</tr>
</tbody>
</table>

**PC-station, mobile**

Dimension: 728 x 501 mm; consisting of 3 filing for  
the device installation, whole height: 1.106 mm, height to upper  
deposit: 1000 mm, rack from oval tube 50 x20 x 2 mm, tube ends  
with plastic caps closed, filing grounds with cable passages from  
synthetic-coated chip board, 19 mm, lower filing ground with  
adjustable holder for tower, front view screen and cable protection  
from steel metal pulverized, 4 castors, 2 of them can be locked.

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>854895</td>
<td>501</td>
<td>728</td>
<td>1106</td>
</tr>
</tbody>
</table>
Mobile cable holder

For the organized, space-saving and mobile suspension of experiment cables. Two additional side receptacles for thicker cables (e.g. power cable, PC connecting cable, ...) Cable troughs: 58
Material: rectangular steel, powder coated in DB 703 dark grey; four light-weight casters.

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>724733</td>
<td>550</td>
<td>400</td>
<td>1310</td>
</tr>
<tr>
<td>Mobile cable holder</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mobile experiment stand for demonstration purposes- robust construction of rectangular steel tubing- mounted on 4 rubber casters, 2 casters equipped with locking mechanism- Large equipment tray; chipboard with PVC edge bands, width: 1202 mm, depth: 600 mm, thickness: 19 mm- coated with melamine resin in accordance with DIN 68 765,- scratch resistant, heat resistant- 4 aluminium panel rails for the mounting of training panels in three levels- Colour: Equipment tray grey RAL 7035- Tubing: raspberry-coloured, powder-coated surface

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>724876</td>
<td>1242</td>
<td>600</td>
<td>1941</td>
</tr>
<tr>
<td>Mobile experiment stand</td>
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<td></td>
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</tbody>
</table>

Equipment board for experiment stand M

additional tray for experiment stand mobile 1300: Chipboard with PVC edge and robust substructure by rectangular tubes- coated with melamine resin in accordance with DIN 68 765,- scratch resistant, heat resistant

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7248761</td>
<td>1100</td>
<td>450</td>
<td>19</td>
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<tr>
<td>Equipment board</td>
<td></td>
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<td></td>
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</tbody>
</table>
MOBILE EXPERIMENT STANDS

854899

Multiple socket outlet

Electrical kit, incl. plug and cable consisting of 3-fold protective contact outlets 230 V / Ac and 3 m of connecting lead with plug

854896

Pull-out keyboard shelf

Pull-out keyboard shelf for under table assembly to the admission of a PC keyboard, including assembly material

Mobile experiment stand 130

Mobile experiment stand for demonstration-wooden lower cabinet with 2 wing doors, recessed, with 2 all metal safety locks-4 compartments with grooved mats for storing experiment panels-4 organization drawers, all plastic designed with partition slots for practical organizing of drawers-7/8 pull-out length on rollers - cylinder lock with central locking device-table top with 2 M8 threaded inserts for mounting a panel frame or a 3 HU bench-top console for power supply- 3-ply fine grain chip board, 25 mm thick melamine resin coated, according to DIN 68765-scratch resistant, heat resistant

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Mobile experiment stand</td>
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<tr>
<td>726153</td>
<td>1242</td>
<td>150</td>
<td>1195</td>
</tr>
<tr>
<td>Panel frame K 130</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>725114</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Channel module housing 130</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(without power supplies 3 HU)*</td>
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</tbody>
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*Power supplies 3 HU see Chapter M8
Mobile experiment stand
Example with power supply system and panel frame
MOBILE EXPERIMENT STAND *aluline*

**Mobile Experiment Stand *aluline G***

Mobile experiment stand with tray,
With aluminium profile 120 x 40 mm
Surface: powder-coated
Colour: dark grey DB 703
4 castors, 2 of them can be locked

**Accessories**
Panel frame, three level

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
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</thead>
<tbody>
<tr>
<td>850850*</td>
<td>1295</td>
<td>700</td>
<td>1980</td>
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<td>Experiment stand G</td>
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<td></td>
</tr>
<tr>
<td>726290*</td>
<td>1212</td>
<td>25</td>
<td>1065</td>
</tr>
<tr>
<td>Panel frame Aluline three level 130</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mobile Experiment Stand *aluline H***

Mobile experiment stand for demonstration, wooden lower cabinet with 2 wing doors, 2 compartments with grooved mats for storing experiment panels and one compartment for a PC
With aluminium profile 120 x 40 mm
Surface: powder-coated
Colour: dark grey DB 703
4 castors, 2 of them can be locked

**Accessories**
Panel frame three level

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>850860*</td>
<td>1295</td>
<td>700</td>
<td>1980</td>
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<tr>
<td>Experiment stand H</td>
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</tr>
<tr>
<td>726290*</td>
<td>1212</td>
<td>25</td>
<td>1065</td>
</tr>
<tr>
<td>Panel frame Aluline three level 130</td>
<td></td>
<td></td>
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</table>
STORAGE CABINETS
## Tall Cabinets

### Top cabinets

- **Height:** 800 mm  
- **Depth:** 600 mm  
- Designed with: Cylinder lock and Assembly set bow-type Guide bar

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>450mm</td>
<td>450mm</td>
<td>855301</td>
</tr>
<tr>
<td>600mm</td>
<td>600mm</td>
<td>855302</td>
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<tr>
<td>900mm</td>
<td>900mm</td>
<td>855303</td>
</tr>
<tr>
<td>1200mm</td>
<td>1200mm</td>
<td>855306</td>
</tr>
</tbody>
</table>

### Tall cabinets

- **Height:** 2000 mm  
- **Depth:** 600 mm  
- Designed with: Cylinder lock and Assembly set bow-type

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>450mm</td>
<td>450mm</td>
<td>855001</td>
</tr>
<tr>
<td>600mm</td>
<td>600mm</td>
<td>855002</td>
</tr>
<tr>
<td>900mm</td>
<td>900mm</td>
<td>855003</td>
</tr>
<tr>
<td>1200mm</td>
<td>1200mm</td>
<td>855006</td>
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</tbody>
</table>

### Tall cabinet components

- **Compartment shelf:** 855001, 855002, 855003, 855004, 855005, 855006
- **Roller drawer:** 855501, 855502, 855503, 855504, 855505, 855506
- **Ceiling connection panel base flush:** 855601, 855602, 855603, 855604, 855605, 855606
- **Ceiling connection front flush:** 855607, 855608
- **Ceiling connection panel sideways Type A (about front end wall standing):** 855610
- **Ceiling connection panel sideways Type B (connection with side widening):** 855611
- **Assembly set mussel-type:** 855561
- **Assembly set triple hook, rotary:** 855562
- **Hinged ladder:** 855556
- **Ladder hook cabinet assembly:** 855557
GROOVED MAT CABINETS FOR TRAINING PANEL SYSTEM DIN A4

Top cabinets
Height: 800 mm
Depth: 600 mm
designed with:
Cylinder lock and
Assembly set bow-type
Guide bar

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Code 1</th>
<th>Code 2</th>
<th>Code 3</th>
<th>Code 4</th>
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</thead>
<tbody>
<tr>
<td>600mm</td>
<td>600mm</td>
<td>900mm</td>
<td>1200mm</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>855303</td>
<td>855304</td>
<td>855305</td>
<td>855306</td>
</tr>
</tbody>
</table>

Tall cabinets
Height: 2000 mm
Depth: 600 mm
designed with:
Cylinder lock and
Assembly set bow-type

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Code 1</th>
<th>Code 2</th>
<th>Code 3</th>
<th>Code 4</th>
</tr>
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<td>855054</td>
<td>855055</td>
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<tr>
<td></td>
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<td>855502</td>
<td>855502</td>
<td>855503</td>
<td>855504</td>
</tr>
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<td></td>
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<td>855603</td>
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<td>855604</td>
<td>855604</td>
<td>855606</td>
<td>855608</td>
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</tbody>
</table>

Tall cabinets
Compartment shelf
Shelf with 1 grooved mat
Shelf with 2 grooved mats
ceiling connection panel base flush
celling connection front flush
celling connection panel sideways Type A (about front end wall standing)
celling connection panel sideways Type B (connection with side widening)
Assembly set mussel-type
Assembly set triple hook, rotary
Hinged ladder
Ladder hook cabinet assembly
**TALL CABINETS, PART-GLASSED**

**Top cabinets**
- Height: 800 mm
- Depth: 600 mm
- Design: Cylinder lock and Assembly set bow-type, Guide bar

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>450mm</th>
<th>450mm</th>
<th>600mm</th>
<th>600mm</th>
<th>900mm</th>
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<td>855303</td>
<td>855304</td>
<td>855305</td>
<td>855306</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tall cabinets**
- Height: 2000 mm
- Depth: 600 mm
- Design: Cylinder lock and Assembly set bow-type

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>450mm</th>
<th>450mm</th>
<th>600mm</th>
<th>600mm</th>
<th>900mm</th>
<th>1200mm</th>
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<td>855104</td>
<td>855105</td>
<td>855106</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tall cabinet**
- Compartment shelf
- Roller drawer
- Ceiling connection panel base flush
- Ceiling connection panel front flush
- Ceiling connection panel sideways Type A
- Ceiling connection panel sideways Type B
- Assembly set mussel-type
- Assembly set triple hook, rotary
- Hinged ladder
- Ladder hook cabinet assembly

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
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<tbody>
<tr>
<td>Compartment shelf</td>
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</tr>
<tr>
<td>Roller drawer</td>
<td>855512</td>
</tr>
<tr>
<td>Ceiling connection panel base flush</td>
<td>855601</td>
</tr>
<tr>
<td>Ceiling connection panel front flush</td>
<td>855602</td>
</tr>
<tr>
<td>Ceiling connection panel sideways Type A</td>
<td>855603</td>
</tr>
<tr>
<td>Ceiling connection panel sideways Type B</td>
<td>855604</td>
</tr>
<tr>
<td>Assembly set mussel-type</td>
<td>855610</td>
</tr>
<tr>
<td>Assembly set triple hook, rotary</td>
<td>855611</td>
</tr>
<tr>
<td>Hinged ladder</td>
<td>855556</td>
</tr>
<tr>
<td>Ladder hook cabinet assembly</td>
<td>855557</td>
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</table>
### Tall Cabinets, Full-Glassed

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
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<th>600mm</th>
<th>900mm</th>
<th>1200mm</th>
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</thead>
<tbody>
<tr>
<td>Top cabinets</td>
<td>Height: 800 mm</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
<td><img src="image5.png" alt="Image" /></td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
<tr>
<td>Depth: 600 mm</td>
<td><img src="image7.png" alt="Image" /></td>
<td><img src="image8.png" alt="Image" /></td>
<td><img src="image9.png" alt="Image" /></td>
<td><img src="image10.png" alt="Image" /></td>
<td><img src="image11.png" alt="Image" /></td>
<td><img src="image12.png" alt="Image" /></td>
<td><img src="image13.png" alt="Image" /></td>
</tr>
<tr>
<td>Designed with: Cylinder lock and Assembly set bow-type Guide bar</td>
<td><img src="image14.png" alt="Image" /></td>
<td><img src="image15.png" alt="Image" /></td>
<td><img src="image16.png" alt="Image" /></td>
<td><img src="image17.png" alt="Image" /></td>
<td><img src="image18.png" alt="Image" /></td>
<td><img src="image19.png" alt="Image" /></td>
<td><img src="image20.png" alt="Image" /></td>
</tr>
<tr>
<td>Tall cabinets</td>
<td>Height: 2000 mm</td>
<td><img src="image21.png" alt="Image" /></td>
<td><img src="image22.png" alt="Image" /></td>
<td><img src="image23.png" alt="Image" /></td>
<td><img src="image24.png" alt="Image" /></td>
<td><img src="image25.png" alt="Image" /></td>
<td><img src="image26.png" alt="Image" /></td>
</tr>
<tr>
<td>Depth: 600 mm</td>
<td><img src="image27.png" alt="Image" /></td>
<td><img src="image28.png" alt="Image" /></td>
<td><img src="image29.png" alt="Image" /></td>
<td><img src="image30.png" alt="Image" /></td>
<td><img src="image31.png" alt="Image" /></td>
<td><img src="image32.png" alt="Image" /></td>
<td><img src="image33.png" alt="Image" /></td>
</tr>
<tr>
<td>Designed with: Cylinder lock and Assembly set bow-type</td>
<td><img src="image34.png" alt="Image" /></td>
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<td><img src="image38.png" alt="Image" /></td>
<td><img src="image39.png" alt="Image" /></td>
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<td>855153</td>
<td>855154</td>
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<tr>
<td>Compartment shelf</td>
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<td>855502</td>
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<td>855503</td>
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<tr>
<td>Roller drawer</td>
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<td>855513</td>
<td>855514</td>
<td></td>
</tr>
<tr>
<td>Ceiling connection panel base flush</td>
<td>855601</td>
<td>855601</td>
<td>855603</td>
<td>855603</td>
<td>855605</td>
<td>855607</td>
<td></td>
</tr>
<tr>
<td>Ceiling connection front flush</td>
<td>855602</td>
<td>855602</td>
<td>855604</td>
<td>855604</td>
<td>855606</td>
<td>855608</td>
<td></td>
</tr>
<tr>
<td>Ceiling connection panel sideways Type A (about front end wall standing)</td>
<td>855610</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ceiling connection panel sideways Type B (connection with side widening)</td>
<td>855611</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assembly set mussel-type</td>
<td>855561</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assembly set triple hook, rotary</td>
<td>855562</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hinged ladder</td>
<td>855556</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ladder hook cabinet assembly</td>
<td>855557</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**TALL CABINETS WITH DRAWER, CENTRAL LOCKING**

**Top cabinets**
- **Height:** 800 mm
- **Depth:** 600 mm
- Designed with:
  - Cylinder lock and assembly set bow-type
  - Guide bar

**Tall cabinets**
- **Height:** 2000 mm
- **Depth:** 600 mm
- Designed with:
  - Cylinder lock and assembly set bow-type

**Tall cabinet**
- Compartment shelf
- Roller drawer
- Ceiling connection panel base flush
- Ceiling connection panel front flush
- Ceiling connection panel sideways Type A (about front end wall standing)
- Ceiling connection panel sideways Type B (connection with side widening)
- Assembly set mussel-type
- Assembly set triple hook, rotary
- Hinged ladder
- Ladder hook cabinet assembly

**Table**

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Design Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>600mm</td>
<td>600mm</td>
<td>900mm, 1200mm</td>
</tr>
</tbody>
</table>

**Drawers**

- 855303
- 855404
- 855305
- 855306

- 855203
- 855204
- 855205
- 855206

- 855502
- 855502
- 855503
- 855504

- 855512
- 855512
- 855513
- 855514

- 855603
- 855603
- 855605
- 855607

- 855604
- 855604
- 855606
- 855608

- 855610

- 855611

- 855561

- 855562

- 855556

- 855557
LOCKER CABINETS

Top cabinets
Height: 800 mm
Depth: 600 mm
designed with:
Cylinder lock and
Assembly set bow-type
Guide bar

Height: 2000 mm
Depth: 600 mm
designed with:
Cylinder lock and
Assembly set bow-type

855303 855404 855305 855306

855421 855422 855423 855424

855603 855603 855605 855607

855604 855604 855606 855608

855610

855611

855561

855562

855556

855557
### Top cabinet
- Height: 800 mm
- Depth: 600 mm
- Designed with: Cylinder lock and Assembly set bow-type
- Guide bar

### Tall cabinets
- Height: 2000 mm
- Depth: 600 mm
- Designed with: Cylinder lock and Assembly set bow-type

### Sliding cabinet
- Top cabinet
- Height: 1800 mm
- Depth: 600 mm
- Designed with: Cylinder lock and Assembly set bow-type
- Guide bar

### Ceiling connection panel
- Base flush: 2x 855605
- Front flush: 2x 855606
- Sideways Type A: 855610
- Sideways Type B: 855611

### Assembly set
- Mussel-type: 855561
- Triple hook, rotary: 855562

### Hinged ladder
- 855556

### Ladder hook
- 855557
### Side Cabinets, Height 1100 mm

- **Side Cabinets**
  - Height: 1100 mm
  - Depth: 600 mm
  - Designed with: Cylinder lock and Assembly set bow-type

<table>
<thead>
<tr>
<th></th>
<th>600mm</th>
<th>600mm</th>
<th>900mm</th>
<th>1200mm</th>
<th>1000mm 5 Drawer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Side Cabinet</strong></td>
<td>855453</td>
<td>855454</td>
<td>855455</td>
<td>855456</td>
<td>855460</td>
</tr>
<tr>
<td><strong>Compartment shelf</strong></td>
<td>855502</td>
<td>855502</td>
<td>855503</td>
<td>855504</td>
<td>-</td>
</tr>
<tr>
<td><strong>Roller drawer</strong></td>
<td>855512</td>
<td>855512</td>
<td>855513</td>
<td>855514</td>
<td>-</td>
</tr>
<tr>
<td><strong>Shelf with 1 grooved mat</strong></td>
<td>855522</td>
<td>855522</td>
<td>855523</td>
<td>855524</td>
<td>-</td>
</tr>
<tr>
<td><strong>Shelf with 2 grooved mat</strong></td>
<td>855532</td>
<td>855532</td>
<td>855533</td>
<td>855534</td>
<td>-</td>
</tr>
<tr>
<td><strong>Assembly set mussel-type</strong></td>
<td>855561</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Assembly set triple hook, rotary</strong></td>
<td>855562</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## WALL CUPBOARDS

### Hanging cabinet

<table>
<thead>
<tr>
<th>Height:</th>
<th>770 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth:</td>
<td>400 mm</td>
</tr>
</tbody>
</table>

- **855763**
- **855764**
- **855765**
- **855766**

### Hanging cabinet (Door-glasses)

- **-**
- **-**
- **-**
- **855776**

### Light -base element

- **855780**
- **855780**
- **-**
- **855781**

### Light -attach element

- **855782**
- **855782**
- **-**
- **855783**

### Hanging shelf

<table>
<thead>
<tr>
<th>Height:</th>
<th>770 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth:</td>
<td>380 mm</td>
</tr>
</tbody>
</table>

- **855753**
- **855753**
- **855755**
- **855756**

### Hanging shelf (Light -base element)

- **855780**
- **855780**
- **-**
- **855781**

### Hanging shelf (Light -attach element)

- **855782**
- **855782**
- **-**
- **855783**
Wall connections

Height: 19 mm/m²

<table>
<thead>
<tr>
<th>Height: 10-600 mm</th>
<th>Height: 600-1200 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 mm/m²</td>
<td>19 mm/m²</td>
</tr>
</tbody>
</table>

Wall connections, sheeting's

Height: 19 mm/m²

<table>
<thead>
<tr>
<th>Type A</th>
<th>Type B</th>
</tr>
</thead>
<tbody>
<tr>
<td>855610</td>
<td>855611</td>
</tr>
</tbody>
</table>

Roller stool

855558
BOARDS
856100
Board with pylon 2000
size B/H 2000x1000mm (twice),
height pylon 290 cm

856101
Accessories for board with pylon (856100)
checked 50 mm, sqm
(twice required)

Folding writing board, for wall mounting
different sizes on request

Folding writing board with pylon
different sizes on request
### BOARDS, PROJECTION SCREENS, INTERACTIVE BOARDS

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>856200</strong> Whiteboard 1200</td>
<td>Wall mounting, size 1200x1000 mm</td>
</tr>
<tr>
<td><strong>Projection screen</strong></td>
<td>Different sizes on request</td>
</tr>
<tr>
<td><strong>Interactive Whiteboard</strong></td>
<td>Different sizes on request</td>
</tr>
</tbody>
</table>

Further application on request
CHAIRS
CHAIRS
857027
Swivel chair, PU trim
Swivel chair with PU trim, backrest tilt can be mechanically adjusted and infinitely locked, height adjustable 40 – 56 cm with safety gas unit, soft castors for hard floors

857056
Swivel chair, wooden trim
Swivel chair with PU trim, backrest tilt can be mechanically adjusted and infinitely locked, height adjustable 40 – 56 cm with safety gas unit, soft castors for hard floors

857021
Swivel chair, upholstered
Swivel chair with high, height-adjustable backrest with plastic outer shell (50 cm), backrest tilt adjustable mechanically, infinitely variable lock, anatomically formed seat, height adjustable 40 – 52 cm with safety gas unit

857022
Swivel chair, upholstered, armrests
Swivel chair with high, height-adjustable backrest with plastic outer shell (50 cm) and Armrests, backrest tilt adjustable mechanically, infinitely variable lock, anatomically formed seat, height adjustable 40 – 52 cm with safety gas unit
857011
Stacking chair
Chair with skids and wooden seat shell and backrest
height 51 cm, seat width 38 cm

857013
Swivel chair
Swivel chair, size 5-7, height adjustable 41 – 53 cm with safety gas unit, soft castors for hard floors

857017
Swivel stool
height adjustable 37 – 49 cm with safety gas unit, with castors (optional without castors)

Figures similar, further application on request
LeyLABpower – Power Supply Systems
-Leylab power
-Leylab.control
- Highest functionality in a homogeneous design due to coordinated development of furniture and instruments in one house.

- New multi-functional benches with innovative power supplies and modern PC-technology for variable utilization of classrooms.

- Modular power supply system for individual solutions in 19" industrial standard

Leylab.control

NETWORKED EXPERIMENTAL SETUPS IN THE TECHNICAL LABORATORY
- Parallel control of experimental setups and laboratory power supply
- Fault activation, operation and observation by the teacher’s PC
INNOVATIVE LABORATORY TECHNOLOGY FROM LD DIDACTIC

Modular industrial power supply system in 19" technology with 3 height units

- 19" plug-in system with wooden bench rack
- 19" plug-in system with wooden cockpit rack
- 19" plug-in system with aluminium channel module housing

Application modular work place and furniture system with integrated power supplies (19" plug-in system with 3 HU) for users in industry (development, assembly, testing) and education (experiment and working places for electrical engineering and electronics).

Outfit clearly indicated segments user-friendly and ergonomically designed control elements versatility through modular structure

Devices the Leybold Didactic- power supply system has been designed with regard to the 19"-industry standard, used globally. A multitude of ready to use inserts is making the combination of power supplies and experiment set-ups for individual needs child’s play. All front panels are lacquered printed scratch-resistant.
POWER SUPPLY SYSTEM – 3 HU

OVERVIEW POWER SUPPLY SYSTEMS

Channel module housing
19” 3 HU

Aluminium power supply channel 3 HU for 19” devices with 3 height units

Bench rack 3 HU with 19” insert

Wooden bench rack 3HU with 19” rack for 19” devices with 3 height units

Cockpit rack 3 HU with 19” insert

Wooden cockpit rack 3HU with 19” rack for 19” devices with 3 height units
Aluminium power supply channel designed to accommodate 19" devices with 3 height units, consisting of lacquered sheet-metal side walls, base and cover profiles made of aluminium, colour: RAL 7035 light grey.

### Channel module housing 610

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725106</td>
<td>Equipped with: 4 connection sockets, 5-pole, for supply of maximum 4 x 19&quot; devices. Available module insert width: 119 PU. H: 133 mm, W: 610 mm, D: 228 mm.</td>
</tr>
</tbody>
</table>

### Channel module housing 1300

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725114</td>
<td>Equipped with: 6 x connection sockets, 5-pole, for supplying maximum 6 x 19&quot; devices. Available module insert width: 231 PU. H: 133 mm, W: 1177 mm, D: 228 mm.</td>
</tr>
</tbody>
</table>

### Channel module housing 1600

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725127</td>
<td>Equipped with: 8 connection sockets, 5-pole, for supply of maximum 8 x 19&quot; devices. Available module insert width: 294 PU. H: 133 mm, W: 1496 mm, D: 228 mm.</td>
</tr>
</tbody>
</table>

### Channel module housing 1800

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725134</td>
<td>Equipped with: 9 connection sockets, 5-pole, for supply of maximum 9 x 19&quot; devices. Available module insert width: 329 PU. H: 133 mm, W: 1675 mm, D: 228 mm.</td>
</tr>
</tbody>
</table>

### Channel module housing 2000

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725137</td>
<td>Equipped with: 10 connection sockets, 5-pole, for supply of maximum 10 x 19&quot; devices. Available module insert width: 371 PU. H: 133 mm, W: 1888 mm, D: 228 mm.</td>
</tr>
</tbody>
</table>
Bench Rack 3HU basic

850811

Bench rack 1300

Bench rack, ready for mounting of channel housings to accommodate 19" devices with 3 height units.

Equipped with:
2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
H: 183 mm, W: 1323 mm, D: 330 mm

Channel Housing for Bench Rack basic

725112

Channel housing for bench rack 1300

Channel housing for the bench rack 1300 mounting of 19" devices with 3 height units;
consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.

Equipped with:
6 connection sockets, 5-pole for supply of maximum 6 x 19" devices
available module insert width: 203 PU

858125

Bench rack 1600

Bench rack, ready for mounting of channel housings to accommodate 19" devices with 3 height units.

Equipped with:
2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
H: 183 mm, W: 1600 mm, D: 330 mm

Channel housing for bench rack 1600

Channel housing for the bench rack 1600, for mounting of 19" devices with 3 height units;
consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.

Equipped with:
8 connection sockets, 5-pole, for supply of maximum 8 x 19" devices
available module insert width: 287 PU

725126

Bench rack 1800

Bench rack, ready for mounting of channel housings to accommodate 19" devices with 3 height units.

Equipped with:
2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
H: 183 mm, W: 1800 mm, D: 330 mm

Channel housing for bench rack 1800

Channel housing for the bench rack 1800 for mounting of 19" devices with 3 height units;
consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.

Equipped with:
9 connection sockets, 5-pole, for supply of maximum 9 x 19" devices
available module insert width: 322 PU

725132

Bench rack 2000

Bench rack, ready for mounting of channel housings to accommodate 19" devices with 3 height units.

Equipped with:
2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
H: 183 mm, W: 2000 mm, D: 330 mm

Channel housing for bench rack 2000

Channel housing for the bench rack 2000 for mounting of 19" devices with 3 height units;
consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.

Equipped with:
10 connection sockets, 5-pole, for supply of maximum 10 x 19" devices
available module insert width: 364 PU

725136
Cockpit rack Aluline 1200

- Cockpit rack, ready for mounting of channel housings to accommodate 19" devices with 3 height units.
- Equipped with:
  - 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
  - H: 185 mm, W: 1200 mm, D: 295 mm

Cockpit rack Aluline 1600

- Cockpit rack, ready for mounting of channel housings to accommodate 19" devices with 3 height units.
- Equipped with:
  - 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
  - H: 185 mm, W: 1600 mm, D: 295 mm

Cockpit rack Aluline 1800

- Cockpit rack, ready for mounting of channel housings to accommodate 19" devices with 3 height units.
- Equipped with:
  - 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
  - H: 185 mm, W: 1800 mm, D: 295 mm

Cockpit rack Aluline 2000

- Cockpit rack, ready for mounting of channel housings to accommodate 19" devices with 3 height units.
- Equipped with:
  - 2 threaded inserts and guide rail for attaching panel frame or assembly grid to bench top console
  - H: 185 mm, W: 2000 mm, D: 295 mm

Channel housing for cockpit rack Aluline 1200

- Channel housing for the cockpit rack Aluline 1200, for mounting of 19" devices with 3 height units;
- Consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.
- Equipped with:
  - 6 connection sockets, 5-pole for supply of maximum 6 x 19" devices
  - Available module insert width: 203 PU

Channel housing for cockpit rack Aluline 1600

- Channel housing for the cockpit rack Aluline 1600, for mounting of 19" devices with 3 height units;
- Consisting of lacquered sheet-metal side walls, base and cover profiles made of aluminium.
- Equipped with:
  - 8 connection sockets, 5-pole, for supply of maximum 8 x 19" devices
  - Available module insert width: 287 PU

Channel housing for cockpit rack Aluline 1800

- Channel housing for the cockpit rack Aluline 1800 for mounting of 19" devices with 3 height units;
- Consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.
- Equipped with:
  - 9 connection sockets, 5-pole, for supply of maximum 9 x 19" devices
  - Available module insert width: 322 PU

Channel housing for cockpit rack Aluline 2000

- Channel housing for the cockpit rack Aluline 2000 for mounting of 19" devices with 3 height units;
- Consisting of lacquered sheet-metal side walls; base and cover profiles made of aluminium.
- Equipped with:
  - 10 connection sockets, 5-pole, for supply of maximum 10 x 19" devices
  - Available module insert width: 364 PU
If you use Leylab.control you will have your power supply under control. Because Leylab.control allows you to control the laboratory power supply from the teacher’s PC. This means that Leylab.control together with the software considerably simplifies teaching preparation and experiment implementation for the teacher.

Software for the operation of the LAN-controlled power supplies of the LEYLAB.net series as well as the training panels of the TPS.net series. Edit mode for the generation of location plans, including the feature to equip the desks with available devices and to build instrumentation groups.
Software Leylab.control

Operate, observe, control

With Leylab.control you will have your power supply under control. Operation of individual laboratory workplaces.

Protect experimental setups from incorrect voltages

Operation mode local or by the network
POWER SUPPLY SYSTEM – 3 HU

**Leylab.control**

**725023N**
WLAN Adapter

![WLAN Adapter](image1)

WiFi adapter to connect one LEYLAB.net device to the Ethernet wirelessly to be controlled by the software LEYLAB.control, 725006 or LEYLAB.control Lite, 725007.

**725024N**
Ethernet switch + 5 sockets Net

![Ethernet switch + 5 sockets Net](image2)

equipped with:
- 5 x Schuko sockets, 230 V, N, PE and internal Ethernet switch. The sockets can be activated / deactivated via LAN by the software Leylab.control.
Width: 42 PU

**725025N**
Ethernet switch

![Ethernet switch](image3)

Ethernet switch to connect TPS.net units or Leylab.net components.

**725232N**
Mains supply 400 V with RCD Net

![Mains supply 400 V with RCD Net](image4)

equipped with:
- fault current circuit breaker 30 mA type B
- circuit breaker
- two I/O switch for mains voltage and low voltage
- connection terminal unit for adaptation to the bus wiring of the channel module housing
- LAN connector: RJ45 internal
Width: 56 PU

**725235N**
Mains supply 400 V Net

![Mains supply 400 V Net](image5)

equipped with:
- circuit breaker
- two I/O switch for mains voltage and low voltage
- connection terminal unit for adaptation to the bus wiring of the channel module housing
- LAN connector: RJ45 internal
Width: 56 PU

**725212N**
Mains supply 230 V with RCD Net

![Mains supply 230 V with RCD Net](image6)

equipped with:
- fault current circuit br. 30 mA type B
- circuit breaker
- connection terminal unit for adaptation to the bus wiring of the channel module housing
- LAN connector: RJ45 internal
Width: 56 PU

**725215N**
Main supply 230 V Net

![Main supply 230 V Net](image7)

equipped with:
- circuit breaker
- connection terminal unit for adaptation to the bus wiring of the channel module housing
- LAN connector: RJ45 internal
Width: 56 PU
**POWER SUPPLY SYSTEM - 3 HU**

**Leylab.control**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725242N</td>
<td>5 Schuko sockets Net equipped with: 5 x Schuko sockets, 230 V, N, PE</td>
</tr>
<tr>
<td></td>
<td>The sockets can be activated/deactivated via LAN by the software Leylab.control.</td>
</tr>
<tr>
<td></td>
<td>- LAN connector: RJ45 internal</td>
</tr>
<tr>
<td></td>
<td>Width: 42 PU</td>
</tr>
<tr>
<td>725243N</td>
<td>3 Schuko sockets Net equipped with: 3 x Schuko sockets, 230 V, N, PE</td>
</tr>
<tr>
<td></td>
<td>The sockets can be activated/deactivated via LAN by the software Leylab.control.</td>
</tr>
<tr>
<td></td>
<td>- LAN connector: RJ45 internal</td>
</tr>
<tr>
<td></td>
<td>Width: 28 PU</td>
</tr>
<tr>
<td>725372N</td>
<td>DC Stabilizer 2x30/2,5 Net</td>
</tr>
<tr>
<td></td>
<td>- Illuminated mains switch</td>
</tr>
<tr>
<td></td>
<td>- Outputs: 2x0-30 V / 2x0,1-2,5 A, not grounded</td>
</tr>
<tr>
<td></td>
<td>- Two independent control units</td>
</tr>
<tr>
<td></td>
<td>- Voltages and currents adjustable from zero to nominal value</td>
</tr>
<tr>
<td></td>
<td>- Output: four safety sockets 4 mm</td>
</tr>
<tr>
<td></td>
<td>- Display: four 7-segment displays (digit seize 12.4 mm) for current and voltage</td>
</tr>
<tr>
<td></td>
<td>- Mode indicator: LED</td>
</tr>
<tr>
<td></td>
<td>- Current limit indicator: LED</td>
</tr>
<tr>
<td></td>
<td>- LAN connector: RJ45 internal</td>
</tr>
<tr>
<td></td>
<td>Width: 63 PU</td>
</tr>
<tr>
<td>725373N</td>
<td>DC Stabilizer 30/2,5 Net</td>
</tr>
<tr>
<td></td>
<td>- Illuminated mains switch</td>
</tr>
<tr>
<td></td>
<td>- Outputs: 30 V / 0,1-5 A, not grounded</td>
</tr>
<tr>
<td></td>
<td>- Voltages and currents adjustable from zero to nominal value</td>
</tr>
<tr>
<td></td>
<td>- Output: two safety sockets 4 mm</td>
</tr>
<tr>
<td></td>
<td>- Display: two 7-segment displays (digit seize 12.4 mm) for current and voltage</td>
</tr>
<tr>
<td></td>
<td>- Mode indicator: LED</td>
</tr>
<tr>
<td></td>
<td>- Current limit indicator: LED</td>
</tr>
<tr>
<td></td>
<td>- LAN connector: RJ45 internal</td>
</tr>
<tr>
<td></td>
<td>Width: 42 PU</td>
</tr>
<tr>
<td>725512N</td>
<td>Function Generator 200 kHz Net</td>
</tr>
<tr>
<td></td>
<td>- Functions: sine/triangular/square-wave/DC</td>
</tr>
<tr>
<td></td>
<td>- Output voltage: 0...20 V&lt;sub&gt;pp&lt;/sub&gt; continuous</td>
</tr>
<tr>
<td></td>
<td>- DC offset: ± 10 V</td>
</tr>
<tr>
<td></td>
<td>- Attenuator: 0 dB, -20 dB, -40 dB</td>
</tr>
<tr>
<td></td>
<td>- LAN connector: RJ45 internal</td>
</tr>
<tr>
<td></td>
<td>Width: 42 PU</td>
</tr>
<tr>
<td>725006</td>
<td>Software: Leylab.control</td>
</tr>
<tr>
<td></td>
<td>Software for the operation of the LAN-controlled power supplies of the LEYLAB.net series as well as the training panels of the TPS.net series. Edit mode for the generation of location plans, including the feature to equip the desks with available devices a. to build instr. groups.</td>
</tr>
<tr>
<td>725007</td>
<td>Software: Leylab.control lite</td>
</tr>
<tr>
<td></td>
<td>Software for the operation of one of the LAN-controlled power supplies of the LEYLAB.net series or the training panels of the TPS.net series. Edit mode for the generation of location plans, including the feature to equip the desks with available devices and to build instr. groups.</td>
</tr>
</tbody>
</table>
MAINS SUPPLY FOR 230 V AND 400 V

**725212**
Mains supply 230

230 V mains supply, equipped with:
- key switch 0/I
- fault current circuit breaker 30 mA
- automatic cut-out 16 A
- connection terminal unit for adaptation to the bus wiring of the channel module housing
Width: 28 PU

**725213**
Output terminal 230

230 V output terminal, equipped with:
- outputs: 3 x 4 mm safety sockets, L1, N, PE
- phase monitor lamp
- reverse-polarity indicator lamp L1/N
Width: 14 PU

**725214**
Output terminal 230 I/O

230 V output terminal, equipped with:
- mains switch, illuminated
- outputs: 3 x 4 mm safety sockets, L1, N, PE
- phase monitor lamp
- reverse-polarity indicator lamp L1/N
Width: 21 PU

**725232**
Mains supply 400

400 V mains supply, equipped with:
- key switch 0/I
- fault current circuit breaker 30 mA
- motor protection switch 6...10 A with under voltage trip
- connection terminal unit for adaptation to the bus wiring of the channel module housing
Width: 49 PU

**725232 (B)**
Mains supply 400 FI Typ B

400 V mains supply, equipped with:
- key switch 0/I
- fault current circuit breaker 30 mA
- motor protection switch 6...10 A with under voltage trip
- connection terminal unit for adaptation to the bus wiring of the channel module housing
Width: 49 PU

**725216**
Key switch 0/I

equipped with:
- key switch 0/I
Width: 14 PU

**725233**
Output terminal 400

400 V output terminal, equipped with:
- outputs: 5 x 4 mm safety sockets, L1, L2, L3, N, PE
- 3 x phase monitor lamps
Width: 14 PU

**725234**
Output terminal 400 I/O

400 V output terminal, equipped with:
- cam switch 0/I
- outputs: 5 x 4 mm safety sockets, L1, L2, L3, N, PE
- 3 x phase monitor lamps
Width: 21 PU
**SCHUKO SOCKETS** (other types on request)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Equipment Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>725240</td>
<td>Empty box</td>
<td>equipped with: 1 cavity wall-device box for the admission of flush-mounted applications; Width: 21 PU</td>
</tr>
<tr>
<td>725242</td>
<td>5 Schuko sockets</td>
<td>equipped with: 5 x Schuko sockets, 230 V, N, PE Width: 42 PU</td>
</tr>
<tr>
<td>725243</td>
<td>3 Schuko sockets</td>
<td>equipped with: 3 x Schuko sockets, 230 V, N, PE Width: 28 PU</td>
</tr>
<tr>
<td>725244</td>
<td>2 Schuko sockets</td>
<td>equipped with: 2 x Schuko sockets, 230 V, N, PE Width: 14 PU</td>
</tr>
<tr>
<td>725245</td>
<td>2 Schuko sockets EDV</td>
<td>equipped with: 2 x Schuko sockets EDV, 230 V, N, PE Width: 28 PU</td>
</tr>
<tr>
<td>725302</td>
<td>Isolating transformer 100 VA</td>
<td>equipped with: mains switch, illuminated -output voltage: 230 V, floating earth -mains protection: thermal circuit breaker 0.5 A -outputs: socket without earthing contact Width: 21 PU</td>
</tr>
<tr>
<td>725282</td>
<td>CEE-Socket</td>
<td>equipped with: CEE socket 16 A, 3 x 400 V, N, PE Width: 21 PU</td>
</tr>
<tr>
<td>725272</td>
<td>Emergency off</td>
<td>equipped with: emergency off switch with pull-unlatching device Width: 14 PU</td>
</tr>
</tbody>
</table>
PC- AND DATA INTERFACE

725258
PC Interface

- Audio
- Mouse and keyboard (PS2)
- Monitor (VGA)
- Serial interface (RS232)
- 2 USB ports
Width: 21 PU

725253
Data interface RJ 45

- Two times Data Interface socket RJ 45, shielded, Kat.5, for data transmission
Width: 14 PU

725251
Data interface RJ 45 Patch

- Double connection socket RJ 45 cat.6, suitable for data transmission, patch cable connection on the supply side
Width: 14 PE

725252
Antenna socket

- Antenna Socket 75 Ohm
Width: 14 PU

725262
12 Selector terminals

- 12 4 mm safety sockets black
Width: 14 PU

725265
Automotive measuring adaptor

- 2 connections with flat conductor for automotive students measuring workplaces
Width: 14 PU
POWER SUPPLY SYSTEM - 3 HU

VARIABLE TRANSFORMER

725332
Experiment transformer 250/1A
Power supply unit for experiments with variable transformer voltages, with three taps. 
Equipped with:
- mains switch, illuminated
- outputs:
  0...250 V/0.8 A AC voltage floating earth
  0...42 V/2 A AC voltage floating earth
  0...24 V/3 A AC voltage floating earth
  0...12 V/6 A AC voltage floating earth
- bridge rectifier 35 A for all ranges
- protection: thermic circuit-breaker 1.2 A in the primary circuit of the output transformer
- outputs: 8 x 4 mm safety sockets
Width: 42 PU

725342D
Low voltage 250/2A
Power supply for DC and AC voltage in the low voltage range.
Equipped with:
- mains switch, illuminated
- outputs are switchable:
  - AC voltage: 0...250 V/2 A floating earth,
  - DC voltage: 0...220 V/2 A floating earth
- protection: thermal circuit-breaker 2 A
- display: 2 digital indicators of RMS value (digit height 12.4 mm) for indication of current and voltage
- outputs: 2 x 4 mm safety sockets and socket without earthing contact
Width: 63 PU

725352D
Extra-low voltage 24/4A
Power supply for DC and AC voltage in the extra-low voltage range.
Equipped with:
- mains switch, illuminated
- outputs are switchable:
  - AC voltage: 0...24 V/4 A floating earth,
  - DC voltage: 0...24 V/4 A floating earth
- output protection: thermal circuit-breaker 4 A
- display: 2 digital indicators of RMS value (digit height 12.4 mm) for indication of current and voltage
- outputs: 2 x 4 mm safety sockets
Width: 42 PU

725362
Experiment transformer 24V/2A
Power supply unit for experiments with variable transformer voltages with three taps. 
Equipped with:
- mains switch, illuminated
- outputs:
  0 - 24 V/2 A AC voltage floating ground
  0 - 12 V/4 A AC voltage floating ground
  0 - 6 V/8 A AC voltage floating ground
  0 - 3 V/16 A AC voltage floating ground
- bridge rectifier 35 A for all ranges
- output protection: thermal circuit breaker 0.3 A in the primary circuit of the output transformer
- output: 8 x 4 mm safety sockets
Width: 42 PU

725363
Experiment transformer 24V/6A
Power supply unit for experiments with variable transformer voltages with three taps. 
Equipped with:
- mains switch, illuminated
- outputs:
  0 - 24 V/6 A AC voltage floating ground
  0 - 12 V/12 A AC voltage floating ground
  0 - 230 V/2 A AC voltage
- bridge rectifier 35 A for all ranges
- output protection: thermal circuit breaker 2 A in the primary circuit of the output transformer
- output: 8 x 4 mm safety sockets
Width: 42 PU

725364
Experiment transformer 24V/6A fix
Power supply unit for experiments with variable transformer voltages with three taps. 
Equipped with:
- mains switch, illuminated
- outputs:
  24 V/6 A AC voltage floating ground
  12 V/12 A AC voltage floating ground
- bridge rectifier 35 A for all ranges
- output protection: thermal circuit breaker 2 A in the primary circuit of the output transformer
- output: 6 x 4 mm safety sockets
Width: 42 PU
POWER SUPPLY SYSTEM – 3 HU

DC-STABILIZER

725372D
DC-Stabilizer 2X30 V/2.5 Var.
Lab power supply unit with two separate and stabilized DC voltage supplies.
**Equipped with:**
- Mains switch, illuminated
- Outputs 2 x 0...30 V / 2 x 0.1...2.5 A floating earth
- Two independent control units
- Voltages and currents can be adjusted from zero to nominal value
- Residual ripple: 0.7 mA eff. max.
- Current ripple: 0.8 mA eff. max.
- Output: through four 4-mm safety sockets
- Display: 4 digital indicators (digit height 12.4 mm) for current/voltage
- Mode indicator: 4 green LEDs
- Current limiting indicator: 2 red LEDs
- Width: 63 PU

725373D
DC-Stabilizer 30 V/5 Var.
Lab power supply unit with stabilized DC voltage supply.
**Equipped with:**
- Mains switch, illuminated
- Outputs 0...30 V / 0.1...2.5 A floating earth
- Voltages and currents can be adjusted from zero to nominal value
- Residual ripple: 0.7 mA eff. max.
- Current ripple: 0.8 mA eff. max.
- Output: through four 2-mm safety sockets
- Display: 2 digital indicators (digit height 12.4 mm) for current/voltage
- Mode indicator: 2 green LEDs
- Current limiting indicator: 1 red LED
- Width: 42 PU

725375D
DC-Stabilizer 1...16 V/40 A
Switching mode DC Power Supply providing variable voltages of 1 – 16 V under 40 A continuous operation.
- Only for use in the bench rack 3HU!
- Technical data:
  - Overload protection by current foldback circuitry and over temperature protection
  - Over voltage protection
  - Cooling by a fan
  - Display: digital 15 mm green LED-display
  - Output voltage: 3-15 V DC adjustable
  - Output current: 40 A
  - Residual ripple: 10 mV<sub>eff</sub>
  - Operating voltage: 230 V AC, 50 Hz
  - Width: 56 PU

725382
AC/DC-Stabilizer
Lab power supply unit with DC and AC voltage outputs.
**Equipped with:**
- Mains switch, illuminated
- Outputs DC:
  - Fixed voltage: + 5 V/3 A
  - Tracking stabilizer: ± 0...15 V/1 A floating earth, stabilized, short-circuit proof
- Outputs AC:
  - AC voltage: 6/12/24 V/1 A floating earth, individually protected by multi-fuses
  - Output: via 4 mm safety sockets and 6-pole DIN-socket for adapter/clock
- Width: 42 PU

725402
DC-Stabilizer 2X15, 1X5/3
Lab power supply with three separate and stabilized fixed voltages.
**Equipped with:**
- Mains switch, illuminated
- Outputs:
  - ± 15 V / 3 A floating earth
  - + 5 V / 3 A floating earth
- Fixed voltages: stabilized, short-circuit proof
- Nominal voltage monitoring: 3 green LEDs
- Residual ripple: 0.3 mV
- Outputs: 5 x 4 mm safety sockets
- Residual ripple: 0.3 mV
- Width: 42 PU

725403
DC-Stabilizer 24 V/6A
Laboratory mains apparatus, stabilised fixed voltage;
**Equipped with:**
- Mains switch, illuminated
- Output: 24 V / 6 A ungrounded
- Fixed voltages: stabilised, short circuit-proof
- Technical approval:
  - 2x4-mm safety sockets
- Width: 28 PU
THREE-PHASE VOLTAGE, FUNCTION GENERATOR

725432
Three-phase voltage 10/17,3
Power supply unit for extra-low 3-phase voltage. Equipped with:
- mains switch: cam switch 3-pole
- mains voltage: 3 x 400 V ± 10 %, 50...60 Hz
- outputs: 3 x 17,3 V (delta) floating earth
- outputs: 3 x 10 V (star) floating earth
- output protection: 3 x thermal circuit-breaker 5 A
- outputs: 4 x 4 mm safety sockets
Width: 42 PU

725433
Three-phase voltage 6/10 + 23/40
Power supply unit for extra-low 3-phase voltage. Equipped with:
- Illuminated mains switch
- Mains voltage: 3 x 400 V, 50/60 Hz
- Outputs: 6 V/10 V 3-phase, star/delta
- 23 V/40 V 3-phase, star/delta
- Load: 4 A/2.3 A each, all phases electronically protected
- Power consumption: 165 VA
- Outputs: 4 x 4 mm safety sockets
Width: 42 PU

725442D
Three-phase voltage 400 V/2,5 A
3 HU power supply unit for variable 3-phase voltage equipped with:
- mains switch: 4-pole cam switch
- mains voltage: 3 x 400 V ± 10 %, 50 - 60 Hz
- outputs: 1 x 0 - 250 V DC
- 2,5 A short-term 3 A
- output protection 3 A
- output through five 4-mm safety sockets
- display: 2 digital indicators (digit height 12.4 mm) for current, L1, L2, L3 switchable and voltage switchable to: outer conductor/neutral conductor, outer conductor/outer conductor, 3 phase control lamps
- width 70 PU

725502
Adapter for HAMEG module 8000
With its programmable power supplies the HAMEG adapter is universally suitable for the adaptation of units of the HAMEG module system series 8000. The HAMEG devices are shifted into the adapter from the front side and thus can be used alternately and be switched on separately via the illuminated mains switch.
Width: 42 PU

725512
Function Generator 200 kHz
Microprocessor-controlled signal generator. Equipped with:
- Illuminated mains switch
- Functions:
  - sine/triangular/square-wave/DC
  - Square-wave signal: duty cycle 10 %...90 %, adjustable in steps of 5 %
  - Frequency range: 1 Hz...200 kHz
  - Resolution: 1 mHz...100 Hz
  - Frequency-dependent
- Output voltage: 0...20 Vpp continuous
- DC offset: ± 10 V
- Display: 4-digit LC display for signal parameters and functions
- Attenuator: 0 dB, -20 dB, -40 dB
- Output: Impedance 50 Ohm
- Trigger output: TTL level
- Output: BNC sockets
Width: 42 PU

725522
Continuity tester
Acoustic continuity tester for conducting tests on almost every electrical function. Channel module, equipped with:
- resistance test up to approx. 300 kOhm
- voltage proof up to 500 V AC/DC
- warning lamp for voltages over 60 V
- power supply: 9 V battery IEC 6 F 22 (not included in the scope of delivery)
- battery compartment accessible from outside
- output: 2 x 4 mm safety sockets
Width: 21 PU
POWER SUPPLY SYSTEM – 3 HU

PNEUMATIC SUPPLY, THREE PHASE GENERATOR, SOLDERING STATION

725532 Pneumatic supply

Supply unit for pneumatic experiments. 19" plug-in unit, equipped with:
- flange pressure gauge 0...10 bar
- pressure regulator 0...10 bar
- output: 2 x coupling connectors NW5, self-closing
- connection to the pressurized air via hose clamp

Width: 42 PU

725533 Three phase generator

for generating DC, AC or 3~ AC voltages for the ELM system, equipped with:
- illuminated mains switch
- output voltage AC: 0...15 V / 1,5 A
- output voltage DC: 0...15 V / 1,5 A
- input: 6 pole DIN socket for rotor position pick-up
- output: six 4-mm safety sockets
- display: 2 digital displays to display V, f, n

Width: 49 PU

725721 Pneumatic connection

equipped with:
- technical approval: 1 NW5 coupler socket, automatic switch-off
- connection to the compressed air supply by means of a tube clamp

Width: 14 PD

725542 Soldering station

equipped with:
- temperature controlled soldering station (150°...400°)
- soldering iron 80 Watt (at 350°), weight 35 g
- holder
- width: 28 PU
DC MOTOR SUPPLY

725862D
DC Motor supply 300W

Power supply unit for measuring characteristics of electrical machines with constant voltage in the power class of up to 0.3 kW. 19" plug-in unit equipped with:
- mains switch, illuminated
- output: 40 - 250 V / 0 - 6 A, DC voltage and current adjustable, stabilized, short circuit proof, with power factor correction
- output: 220 V / 2 A DC (two-way bridge)
- protection: thermomagnetic circuit breaker 2 A
- output: through 4 x 4-mm safety sockets
- display: 2 digital indicators (digit height 12.4 mm) for current/voltage
- current limiting indicator: 1 red LED
- changeover switch: U const./U const. external, with mode indicator 1 green LED
- supply U-const. external: (0 - 10 V DC) with two 4-mm safety sockets
- Width: 63 PU

725862D
DC motor supply 1KW

Power supply unit for measuring characteristics of electrical machines with constant voltage in the power class of up to 1.0 kW. 19" plug-in unit equipped with:
- mains switch, illuminated
- output: 40 - 250 V / 0 - 10 A, DC voltage and current adjustable, stabilized, short circuit proof, with power factor correction
- output: 220 V / 2 A DC (two-way bridge)
- protection: thermomagnetic circuit breaker 6 A
- output: through 4 x 4-mm safety sockets
- display: 2 digital indicators (digit height 12.4 mm) for current/voltage
- current limiting indicator: 1 red LED
- changeover switch: U const. / U const. external, with mode indicator 1 green LED
- supply U-const. external: (0 - 10 V DC) with two 4-mm safety sockets
- Width: 84 PU
524013K

Sensor-CASSY 19" module

For connection to the USB-port of a computer
3-fold electrical isolation (4-mm-inputs A and B, relay R)
Measurement possible parallel at 4-mm-inputs and sensor box connector sites (4 channels)
Cascading of up to 8 CASSY module possible
(to expand the inputs and outputs)
Up to 8 analogue inputs per Sensor-CASSY retrofit using sensor boxes
Automatic sensor box detection (plug and play)
by CASSY Lab 2 (524220)
Microprocessor-controlled with CASSY operating system
(easily updatable via software for function enhancements)
Developer Information and LabVIEW™ driver available through our internet homepage

524220

CASSY Lab2 Software

Improved development of the successful CASSY Lab software
for recording and evaluating measurement data acquired
using the CASSY family, with comprehensive integrated help functionality and many operable experiment examples

Sensor packet to CASSY

More sensors you will find in our physic catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>524031</td>
<td>Current supply box</td>
<td>524076</td>
<td>AUTO-BOX i</td>
</tr>
<tr>
<td>524043</td>
<td>30 A-box</td>
<td>738989</td>
<td>Standard workshop TDC PICK-UP</td>
</tr>
<tr>
<td>524044</td>
<td>Temperature sensor S (NTC)</td>
<td>738987</td>
<td>Capacitive -TYPE PICK-UP</td>
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<tr>
<td>5240511</td>
<td>Lux Adapter S</td>
<td>524077</td>
<td>AUTO-BOX Z</td>
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<td>Additionally required:</td>
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<td>Additionally required:</td>
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<tr>
<td>5240512</td>
<td>Optical power sensor S</td>
<td>738987</td>
<td>Capacitive type pick up</td>
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<tr>
<td>524064</td>
<td>Pressure sensor S, ±2000 hPa</td>
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<td></td>
</tr>
<tr>
<td>524078</td>
<td>CAN bus box</td>
<td>524081</td>
<td>LIN-bus-box</td>
</tr>
<tr>
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</tbody>
</table>
Sensor CASSY 2 allows direct measurements of mains voltage and current.

The figure shows two measurement series: an incandescent lamp (top) and an energy saving lamp (bottom) each with the corresponding calculation of power consumption (blue).

Table and diagram representations as many as desired at the same time by individual windows

CASSY Lab 2 automatically detects the measurement range (auto-range, switchable)

The sampling rate of Sensor CASSY 2 is fast enough to detect ultrasonic pulses. The figure shows the signal of a transmitter using a pre-trigger of 100 s at a sampling rate of about 1 MHz. The received echo signal is delayed by approximately 200 µs.

Parallel usage of Sensor-CASSY, Pocket-CASSY, Joule- and wattmeter, etc.
Only one clearly structured window for all software and hardware settings

CASSY Lab 2 plots histograms and integrals with transparent Areas. The figure shows that a Poisson distribution recorded with higher average values is approaching the Gaussian distribution

Analyses will be depicted while marking a relevant data region and are updated automatically, e.g. by recording a histogram

Free choice of colours for all curves in all diagrams, transparent areas for integrals and histograms
**Blank Panels 3HU, Accessories**

**Blank Panel 3HU**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Width</th>
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</thead>
<tbody>
<tr>
<td>725560</td>
<td>Blank Panel</td>
<td>7 PU</td>
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<tr>
<td>725561</td>
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</tr>
<tr>
<td>725567</td>
<td>Blank Panel</td>
<td>84 PU</td>
</tr>
</tbody>
</table>

**725026**

**CM Mains connection cable**

For rear side mounting in the channel module housing, when used as power supply channel for the mobile experiment stands or similar.

Channel module, equipped with:
- connection cable 2 m, with schuko plug
- Width: 21 PU

**725027**

**CM Mains connection cable cekon**

For rear side mounting in the channel module housing, when used as power supply channel for the mobile experiment stands or similar.

Channel module, equipped with:
- connection cable 2 m, with CEE plug 16 A
- Width: 21 PU

**725028**

**CM Accessory: emergency off**

Emergency off switch with pull-unlatching device for retro-fitting into three-phase channel, cat. no. 725 004 or the AC current channel, cat. no. 725 005
POWER SUPPLY SYSTEM - 3 HU

TABLE HOUSINGS 3HU

All 19" aluminium housings are shell-moulded and light grey lacquered. Equipped with:
- tilt handle,
- completely assembled and pre-wired

725571
Softcase 42 PU 230V
Design with mains cable 230 V and Schuko plug for plug-in units 3 HU, 42 PU.
width: 253 mm, height: 137 mm, depth: 300 mm

725572
Softcase 42 PU 400V
Design with mains cable 400 V and Cekon plug for plug-in units 3 HU, 42 PU.
width: 253 mm, height: 137 mm, depth: 300 mm

725574
Softcase 63 PU 2X230V
Design with mains cable 230 V and Schuko plug for up to two plug-in units 3 HU with a total length of 63 PU.
width: 360 mm, height: 137 mm, depth: 300 mm

725575
Softcase 63 PU 2X400V
Design with mains cable 400 V and Cekon plug for up to two plug-in units 3 HU with a total length of 63 PU.
width: 253 mm, height: 137 mm, depth: 300 mm

725577
Softcase 70 PU 2X400V
Design with mains cable 400 V and Cekon plug for up to two plug-in units 3 HU with a total length of 70 PU.
width: 390 mm, height: 137 mm, depth: 300 mm

725578
Softcase 84 PU 2X230V
Design with mains cable 230 V and Schuko plug for up to two plug-in units 3 HU with a total length of 84 PU.
width: 466 mm, height: 137 mm, depth: 300 mm

725579
Softcase 84 PU 2X400V
Design with mains cable 400 V and Cekon plug for up to two plug-in units 3 HU with a total length of 84 PU.
width: 466 mm, height: 137 mm, depth: 300 mm
Power supply channel for supplying mobile experiment stands.

All channels are built of lacquered sheet-metal side walls, base and cover profiles made of aluminium, colour: RAL 7035 light grey.

Equipped with:
- key switch 0/I
- switch-on control lamp
- fault current circuit breaker 30 mA
- 2 x 3-fold Schuko sockets

Width: 1189 mm, Depth: 228 mm, Height: 135 mm

### 725001

**Channel three-phase 1300/S**

Power supply channel for supplying mobile experiment stands.
**additional equipped with:**
- motor protection switch 6...10 A with undervoltage trip
- CEE socket 16 A
- 5 x 4 mm safety sockets
- 3 x phase monitor lamps
- mains connection cable 2 m, with CEE plug 16 A

### 725002

**Channel AC 1300/S**

Power supply channel for supplying mobile experiment stands.
**additional equipped with:**
- reverse-polarity indicator lamp L1/N
- automatic cut-out 16 A
- 2 x 3-fold Schuko sockets
- 3 x 4 mm safety sockets
- phase monitor lamp
- mains connection cable 2 m, with Schuko plug

### 725004

**Channel three-phase 1300**

Power supply channel for supplying laboratory benches.
**additional equipped with:**
- motor protection switch 6...10 A with undervoltage trip
- CEE socket 16 A
- 5 x 4 mm safety sockets
- 3 x phase monitor lamps
- accommodates emergency off, cat. no. 725 028

### 725005

**Channel AC 1300**

Power supply channel for supplying laboratory benches.
**additional equipped with:**
- reverse-polarity indicator lamp L1/N
- automatic cut-out 16 A
- 2 x 3-fold Schuko sockets
- 3 x 4 mm safety sockets
- phase monitor lamp
- accommodates emergency off, cat. no. 725 028
### Complete power supply unit for variable 3-phase voltage

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725702</td>
<td>Complete power supply unit for variable 3-phase voltage. Equipped with:</td>
</tr>
<tr>
<td></td>
<td>- mains switch: 4-pole cam switch</td>
</tr>
<tr>
<td></td>
<td>- mains voltage: 3 x 400 V ± 10 %, 50 - 60 Hz</td>
</tr>
<tr>
<td></td>
<td>- outputs: 3 x 0 - 400 V / 6.3 A, short-term 7 A</td>
</tr>
<tr>
<td></td>
<td>- output protection: 3 thermal circuit breakers, 6.5 A</td>
</tr>
<tr>
<td></td>
<td>- output through five 4-mm safety sockets, one CEE socket 16 A</td>
</tr>
<tr>
<td></td>
<td>- display: 3 flush-fitted moving coil meters for current indication</td>
</tr>
<tr>
<td></td>
<td>1 flush-fitted moving coil meter for voltage indication, switchable</td>
</tr>
<tr>
<td></td>
<td>outer conductor/neutral conductor</td>
</tr>
<tr>
<td></td>
<td>outer conductor/outer conductor</td>
</tr>
<tr>
<td></td>
<td>- 3 phase control lamps</td>
</tr>
</tbody>
</table>

### 3-phase voltage 400, 3N

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725332G</td>
<td>Full supply appliance in a 19” casing for experiments with variable</td>
</tr>
<tr>
<td></td>
<td>transformer voltages, with three taps. Equipped with:</td>
</tr>
<tr>
<td></td>
<td>- mains switch, illuminated</td>
</tr>
<tr>
<td></td>
<td>- outputs:</td>
</tr>
<tr>
<td></td>
<td>0...250 V/0.8 A AC voltage floating earth</td>
</tr>
<tr>
<td></td>
<td>0...42 V/2 A AC voltage floating earth</td>
</tr>
<tr>
<td></td>
<td>0...24 V/3 A AC voltage floating earth</td>
</tr>
<tr>
<td></td>
<td>0...12 V/6 A AC voltage floating earth</td>
</tr>
<tr>
<td></td>
<td>- bridge rectifier 35 A for all ranges</td>
</tr>
<tr>
<td></td>
<td>- protection: thermal circuit-breaker 1.2 A in the primary circuit</td>
</tr>
<tr>
<td></td>
<td>of the output transformer</td>
</tr>
<tr>
<td></td>
<td>- Outputs: 8 x 4 mm safety sockets</td>
</tr>
<tr>
<td></td>
<td>Width: 42 PU</td>
</tr>
</tbody>
</table>

### Low voltage 250/2

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725342DG</td>
<td>Full supply appliance in a 19” casing for DC and AC voltage in the low</td>
</tr>
<tr>
<td></td>
<td>voltage range. Equipped with:</td>
</tr>
<tr>
<td></td>
<td>- mains switch, illuminated</td>
</tr>
<tr>
<td></td>
<td>- outputs are switchable:</td>
</tr>
<tr>
<td></td>
<td>AC voltage: 0...250 V/2 A floating earth, DC voltage: 0...220 V/2 A</td>
</tr>
<tr>
<td></td>
<td>floating earth (full-wave rectifier)</td>
</tr>
<tr>
<td></td>
<td>- protection: thermal circuit-breaker 2 A</td>
</tr>
<tr>
<td></td>
<td>- display: 2 digital indicators of RMS value (digit height 12.4 mm) for</td>
</tr>
<tr>
<td></td>
<td>indication of current and voltage</td>
</tr>
<tr>
<td></td>
<td>- outputs: 2 x 4 mm safety sockets and socket without earthing contact</td>
</tr>
<tr>
<td></td>
<td>Width: 63 PU</td>
</tr>
<tr>
<td>Model</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>725352DG</td>
<td>Extra-low voltage 24/4</td>
</tr>
<tr>
<td>725362G</td>
<td>Experiment transformer 24V/2</td>
</tr>
<tr>
<td>725372DG</td>
<td>DC stabilizer 2x30/2.5</td>
</tr>
<tr>
<td>725432G</td>
<td>Three-phase voltage 10/17.3</td>
</tr>
<tr>
<td>725442DG</td>
<td>Three-phase voltage 400 V/2.5</td>
</tr>
<tr>
<td>725721G</td>
<td>Three phase generator</td>
</tr>
</tbody>
</table>
### TABLE UNITS

#### Power Supply System - 3 Hu

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>725579G</td>
<td><strong>Three-phase voltage / Exp. transformer</strong></td>
</tr>
<tr>
<td></td>
<td>Full supply appliance in a 19” casing for experiments with variable transformer voltages and for extra-low three-phase voltage.</td>
</tr>
</tbody>
</table>
|        | Equipped with:  
|        | - Variable Transformer with three taps:  
|        |   - mains switch, illuminated  
|        |   - outputs:  
|        |     - 0...250 V/0.8 A AC voltage floating earth  
|        |     - 0...42 V/2 A AC voltage floating earth  
|        |     - 0...24 V/3 A AC voltage floating earth  
|        |     - 0...12 V/6 A AC voltage floating earth  
|        |     - bridge rectifier 35 A for all ranges  
|        |     - protection: thermic circuit-breaker 1.2 A in the primary circuit of the output transformer  
|        |     - Outputs: 8 x 4 mm safety sockets  
|        | - Power supply unit for extra-low three-phase voltage:  
|        |     - mains switch: cam switch 3-pole  
|        |     - mains voltage: 3 x 400 V ± 10 %, 50...60 Hz  
|        |     - outputs: 3 x 17.3 V (delta) floating earth  
|        |     - 3 x 10 V (star) floating earth  
|        |     - output protection: 3 x thermal circuit-breaker 5 A  
|        |     - outputs: 4 x 4 mm safety sockets  
|        | Width: 84 PU                                                                                           |

| 725862DG | **DC motor supply 1KW**  
|          | Full supply appliance in a 19” casing for measuring characteristics of electrical machines with constant voltage in the power class of up to 1 kW. |
|          | 19” plug-in unit equipped with:  
|          | - mains switch, illuminated  
|          | - output: 40 - 250 V / 0 - 10 A, DC voltage and current adjustable, stabilized, short circuit-proof  
|          | - output: 220 V /□2 A direct current (full-wave rectifier)  
|          | - protection: circuit breaker 2 A  
|          | - output: through 4 x 4-mm safety sockets  
|          | - display: 2 digital indicators (digit height 12.4 mm) for current/voltage  
|          | - current limiting indicator: 1 red LED  
|          | - change-over switch: U const. / U const. external, with mode indicator 1 green LED  
|          | - power supply U const. external: (0 - 10 V DC) with two 4-mm safety sockets  
|          | Width: 84 PU                                                                                           |

| 725852DG | **Motor power supply 300W**  
|          | mains switch, illuminated  
|          | output: 40 - 250 V / 0 - 6 A direct current and co-current flow adjustable, stabilised, short circuit-proof, with power factor adjustment  
|          | output: 220 V /□2 A direct current (full-wave rectifier)  
|          | safety: appliance safety switch: 2 A technical approval: 4x4-mm safety sockets  
|          | display: 2 digital displays (letter height:12.4 mm) for indicating current and voltage  
|          | current limiting display: 1 red LED  
|          | change-over switch: U const. / U const. external, with a mode display 1 green LED  
|          | power supply U const. external: (0 - 10 V DC) with 2x4-mm safety sockets  
|          | width: 63 PU                                                                                           |
POWER SUPPLY SYSTEM – 3 HU
POWER SUPPLY, EXPERIMENT UNIT DIN A4

72671
Single-phase supply unit

Cam switch 2-pole
Automatic circuit breaker FAZ L 10 A
Phase monitor light L 1
Phase monitor light for indication of false polarity of mains plug
Mains connecting cable with Schuko plug

72672
Single-phase supply unit with RCD

Cam switch 2-pole
Automatic circuit breaker FAZ L 10 A
Phase monitor light L 1
Phase monitor light for indication of false polarity of mains plug
Mains connecting cable with Schuko plug

72674
Three-phase supply unit

Cam switch 4 pole
Automatic circuit breaker FAZ L 10 A, 3fold
Automatic circuit breaker FAZ L 10 A
Phase control lamps L1, L2, L3
Mains cable with Cekon plug

72675
Three-phase supply unit with RCD

Cam switch 4 pole
Fault current circuit breaker 30 mA
Motor protection switch 6–10 A
Phase control lamps L1, L2, L3
Mains cable with Cekon plug
POWER SUPPLY, EXPERIMENT UNIT DIN A4

72680
Transformer 45/90, 3 N

Power supply and experiment unit for the area of power electronics, equipped with:
- Mains switch: cam switch, 3-pole
- Mains voltage: 3 x 400 V, ± 10 %, 50...60 Hz
- Outputs: 3 x 90 V/1.5 A AC
  with 3 center taps 45 V
- 1 x 230 V/1 A DC
- 3 thermal magnetic circuit breakers 0.8 A (prim.)
- Output: via eighteen 4-mm safety sockets
- Connecting cable and Cekon plug 16 A

72685
Adjustable transformer 0...260 V

Instrument for supply and experiments involving electrical machines and the electronics of energy technology, equipped with:
- Mains switch:
- Mains voltage: 230 V, ± 10 %, 50...60 Hz
- Output: 1 x 0 ... 260 V AC
  1 x 0 ... 260 V DC
  4 A AC; Short term 5 A
- 1 thermomagnetic instrument safety switch 5 A (sec.)
- Output: 2 4-mm safety sockets
  with connecting leads and shock-proof plug 16 A
72686

DC power supply ±15V/3A

Laboratory power supply with two separate and stabilized fixed voltages, equipped with:
Mains switch:
Output voltage: ± 15 V DC / 2.4 A, short-time 3 A
Fixed voltages: stabilized, short circuit proof Output via 4-mm sockets
Nominal voltage monitor: 2 green LED’s
Residual ripple: 0.3 mV
Operating temperature range: 0 - 50 °C
Connection voltage: 230 V, 50/60 Hz

72688

AC/DC- stabilizer

Lab power supply unit with DC and AC voltage outputs, equipped with:
Illuminated mains switch
DC Outputs:
- fixed voltage: 5 V / 3 A floating ground residual ripple: 1 mV RMS
- tracking stabilizer: ± 0...15 V / 1 A floating ground residual ripple: < 3 mV RMS
AC Outputs:
- AC voltage: 6/12/24 V / 1 A floating ground
Output: via 4 mm sockets and 6pin DIN-socket
Mains connecting cable with euro plug

726961

Function- generator 200 kHz, 115 V

Microprocessor-controlled signal generator.
Functions: sine/triangular/square-wave/DC
Square-wave signal: duty cycle 10 %...90 %, adjustable in steps of 5 %
Frequency range: 1 Hz...200 kHz
Resolution: 1 mHz...100 Hz, frequency-dependent
Output voltage: 0...20 Vpp continuous
DC offset: ± 10 V
Display: 4-digit LC display for signal parameters and functions
Attenuator: 0 dB, -20 dB, -40 dB
Output: Impedance 50 Ohm
Trigger output: TTL level
Output: via 4-mm safety sockets
Supply voltage: 115 V, 60 Hz with mains connection cable and earthing-pin plug
POWER SUPPLY SYSTEM – 3 HU

PANEL FRAME

- Panel frame for set-up on bench top
  Panel frame with L- base for designed for mounting on a laboratory benches or a bench rack 3 HU
  (L30, L160, L180, L200)

- Panel frame for channel module housing
  Panel frame with K- base
  -Frame for training panels in DIN A4 height, designed for mounting
    on a channel system 3HU or an energy supply channel
    (K130, K160, K180, K200)

- Panel frame, free- standing design
  Panel frame with T- base
  -Frame for training panels in DIN A4 height; free-standing design
    (T130, T150, T160, T180)

- Panel frame, design with angle
  Panel frame with SL- base
  -Frame for training panels in DIN A4 height, design with angle, ca. 30°
    (SL85, SL110)

- Panel frame, high-load
  -Frame for training panels in DIN A4 height, for high-load
    (VT160, VT180)

- Panel frame aluline
  -Frame for training panels in DIN A4 height, for Leylab aluline
    (120, 160, 180, 200)
Panel frame with L-base for set-up on the bench top

### One level

- One-level frame for training panels in DIN A4 equivalent height
- Two aluminium profile rails with 2 brush strips
- Two L-bases of rectangular steel tubing
- Mounted to bench top with 2 M8 wing screws

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>726016</td>
<td>L 160</td>
<td>1550</td>
<td>150</td>
</tr>
<tr>
<td>72602</td>
<td>L 180</td>
<td>1750</td>
<td>150</td>
</tr>
<tr>
<td>726028</td>
<td>L 200</td>
<td>1950</td>
<td>150</td>
</tr>
</tbody>
</table>

### Two level

- Two-level frame for training panels in DIN A4 equivalent height
- Three aluminium profile rails with 2 brush strips
- Two L-bases of rectangular steel tubing
- Mounted to bench top with 2 M8 wing screws

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72603</td>
<td>L 130</td>
<td>1242</td>
<td>150</td>
</tr>
<tr>
<td>726046</td>
<td>L 160</td>
<td>1550</td>
<td>150</td>
</tr>
<tr>
<td>72605</td>
<td>L 180</td>
<td>1750</td>
<td>150</td>
</tr>
<tr>
<td>726058</td>
<td>L 200</td>
<td>1950</td>
<td>150</td>
</tr>
</tbody>
</table>

### Three level

- Three-level frame for training panels in DIN A4 equivalent height
- Four aluminium profile rails with 2 brush strips
- Two L-bases of rectangular steel tubing
- Mounted to bench top with 2 M8 wing screws

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72612</td>
<td>L 130</td>
<td>1242</td>
<td>150</td>
</tr>
<tr>
<td>726136</td>
<td>L 160</td>
<td>1550</td>
<td>150</td>
</tr>
<tr>
<td>72614</td>
<td>L 180</td>
<td>1750</td>
<td>150</td>
</tr>
<tr>
<td>726148</td>
<td>L 200</td>
<td>1950</td>
<td>150</td>
</tr>
</tbody>
</table>
Panel frame with K-base for channel module housing

**Two level**

- Tow-level frame for training panels in DIN A4 equivalent height, designed for mounting above a channel system 3HU or an energy supply channel.
- Three aluminium profile rails with 2 brush strips.
- Tow L-bases of rectangular steel tubing.
- Mounted to bench top with 2 M8 wing screws.

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>726063 K 130</td>
<td>1242</td>
<td>150</td>
<td>861</td>
</tr>
<tr>
<td>726076 K 160</td>
<td>1550</td>
<td>150</td>
<td>861</td>
</tr>
<tr>
<td>726083 K 180</td>
<td>1750</td>
<td>150</td>
<td>861</td>
</tr>
<tr>
<td>726088 K 200</td>
<td>1950</td>
<td>150</td>
<td>861</td>
</tr>
</tbody>
</table>

**Three level**

- Three-level frame for training panels in DIN A4 equivalent height, designed for mounting above a channel system 3HU or an energy supply channel.
- Four aluminium profile rails with 2 brush strips.
- Tow L-bases of rectangular steel tubing.
- Mounted to bench top with 2 M8 wing screws.

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>726153 K 130</td>
<td>1242</td>
<td>150</td>
<td>1195</td>
</tr>
<tr>
<td>726166 K 160</td>
<td>1550</td>
<td>150</td>
<td>1195</td>
</tr>
<tr>
<td>726173 K 180</td>
<td>1750</td>
<td>150</td>
<td>1195</td>
</tr>
<tr>
<td>726178 K 200</td>
<td>1950</td>
<td>150</td>
<td>1195</td>
</tr>
</tbody>
</table>
Panel frame with T-base for free-standing

**Two level**

- Three aluminium profile rails with 2 brush strips
- Two T-bases of rectangular steel tubing
- Width: 1242 mm, height: 730 mm, depth: 300 mm

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72609 T 130</td>
<td>1242</td>
<td>300</td>
<td>730</td>
</tr>
<tr>
<td>72610 T 150</td>
<td>1450</td>
<td>300</td>
<td>730</td>
</tr>
<tr>
<td>726106 T 160</td>
<td>1550</td>
<td>300</td>
<td>730</td>
</tr>
<tr>
<td>72611 T 180</td>
<td>1750</td>
<td>300</td>
<td>730</td>
</tr>
</tbody>
</table>

**Three level**

- Three-level frame for training panels in DIN A4 equivalent height, free-standing design
- Four aluminium profile rails with 2 brush strips
- Two T-bases of rectangular steel tubing
- Width: 1242 mm, height: 1065 mm, depth: 300 mm

<table>
<thead>
<tr>
<th>Cat. No.:</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72618 T 130</td>
<td>1242</td>
<td>300</td>
<td>1065</td>
</tr>
</tbody>
</table>
Panel Frame SL, design with angle

One level

- One-level frame for training panels in DIN A4 equivalent height; design with approx. 30° pitched
- Two aluminium profile rails with 2 brush strips
- Two L-bases of rectangular steel tubing
- Mounted to bench top with 2 M8 wing screws

Panel frame VT, reinforced construction

Three level

- Three-level frame for training panels in DIN A4 equivalent height, for high load
- Four aluminium profile rails with 2 brush strips and reinforced with rectangular steel tubing on the rear side
- Two T-bases of rectangular steel tubing
- Mounted to bench top with 2 M8 wing screws

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72619 SL 85</td>
<td>895</td>
<td>250</td>
<td>380</td>
</tr>
<tr>
<td>726191 SL 110</td>
<td>1145</td>
<td>250</td>
<td>380</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>726256 VT 160</td>
<td>1550</td>
<td>300</td>
<td>1090</td>
</tr>
<tr>
<td>72626 VT 180</td>
<td>1750</td>
<td>300</td>
<td>1090</td>
</tr>
</tbody>
</table>
POWER SUPPLY SYSTEM – 3 HU

EQUIPMENT PLATFORM

72621
Equipment platform 350 mm
Sturdy construction out of lacquered steel plate for integration of measurement instruments and power supply units into the experiment set ups. -suitable for all panel frames width: 350 mm, depth: 440 mm

72622
Equipment platform 500 mm
Sturdy construction out of lacquered steel plate for integration of measurement instruments and power supply units into the experiment set ups. -suitable for all panel frames width: 500 mm, depth: 440 mm

726241
TFT monitor frame TPS
ASSEMBLY GRIDS

All equipment boards provide:
steel, powder coated, grid with 5 x 10 mm holes for quick and easy mounting of standard installation equipment with plastic pegs

Assembly grids

-L-bases of rectangular steel tubing
-mounted to bench top with 2 M8 wing screws
-colour: RAL 7035 light grey

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72630 L 130</td>
<td>1242</td>
<td>150</td>
<td>730</td>
</tr>
<tr>
<td>72632 L 160</td>
<td>1550</td>
<td>150</td>
<td>730</td>
</tr>
<tr>
<td>72633 L 180</td>
<td>1750</td>
<td>150</td>
<td>730</td>
</tr>
</tbody>
</table>

Assembly grids, K

-designed for mounting above an energy supply channel
-L-bases of rectangular steel tubing
-mounted to bench top with 2 M8 wing screws
-colour: RAL 7035 light grey

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>726345 K 160</td>
<td>1450</td>
<td>150</td>
<td>845</td>
</tr>
<tr>
<td>72635 K 180</td>
<td>1750</td>
<td>150</td>
<td>845</td>
</tr>
</tbody>
</table>
726375
Assembly grid E 50
- designed for mounting into one, two or three level panel frames
- width: 500 mm, height: 297 mm, depth: 50 mm

726365
Assembly grid E 85
- designed for mounting into one, two or three level panel frames
- width: 850 mm, height: 297 mm, depth: 50 mm

72636
Assembly grid E 130
- designed for mounting into two or three level panel frames from 1242 mm width
- width: 1198 mm, height: 715 mm, depth: 50 mm

72637
Assembly grid E 150
- designed for mounting into two or three level panel frames from 1500 mm width
- width: 1406 mm, height: 715 mm, depth: 50 mm
EQUIPMENT BOARD

858203
Equipment board 1300 mm

-for lab table 1300 mm wide
width: 1300 mm, depth: 350 mm, height: 450 mm

858206
Equipment board 1600 mm

-for lab table 1600 mm wide
width: 1600 mm, depth: 350 mm, height: 450 mm

858208
Equipment board 1800 mm

-for lab table 1800 mm wide
width: 1800 mm, depth: 350 mm, height: 450 mm

858209
Equipment board 2000 mm

-for lab table 2000 mm wide
width: 2000 mm, depth: 350 mm, height: 450 mm
Complete solutions

- Define the wanted furnishings
- Adjustment of the required equipment to the local possibilities
- Installation planning of the necessary connections:
  - Electrical installation
  - Network installation
  - Multimedia installation
- DIN VDE 0100, Part 723
  - Safety regulations for laboratories