

Scientific
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Trade

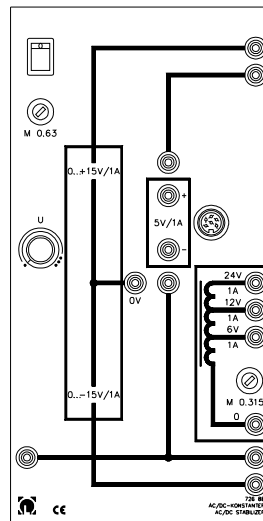


LEYBOLD DIDACTIC GMBH

Instruction sheet AC/DC stabilizer

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Read the instruction sheet carefully before putting the device into operation!

Prescribed use

This device supplies several electrically-isolated *safety extra-low voltages* (DIN 57100 Section 410/VDE 0100 Section 410).

It provides the experiment systems (TPS, STE, SIMULOG) with the necessary DC and AC voltages.

Location of use

- Operation in dry rooms which serve for experimenting with electrical operating equipment or installations.
- Operation exclusively in panel frames

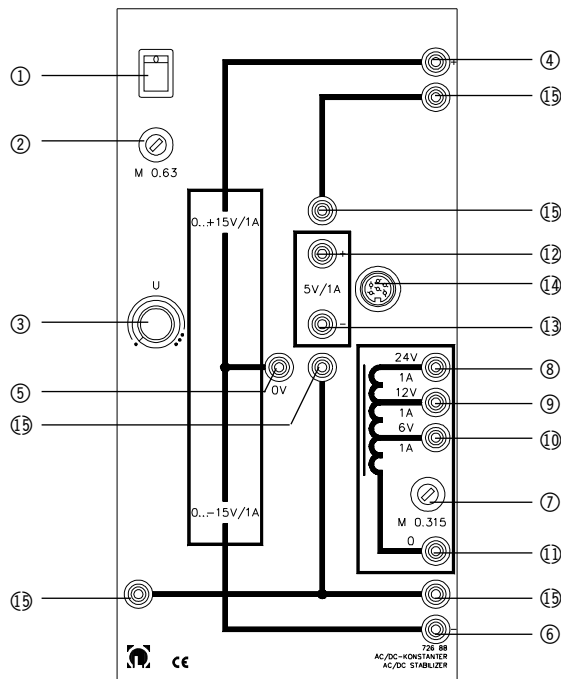


1. Safety instructions

This device is designed according to protection class I and corresponds to the safety directives as set forth in EN 61010.

safety is not ensured if the device is operated improperly or handled without care.

- Never connect an external voltage source to the sockets.
- Switch off the device when replacing the mains fuse.
- This device may only be operated in the upright position in the panel frame provided for its operation (cooling).
- If you assume that safe operation is no longer possible (e.g. in the case of visible damage), then the device must be switched off immediately and secured to prevent it from being accidentally put back into operation.



2. Description

DC voltage (variable)

- ① Mains switch, illuminated
- ② Mains fuse M 0.63
- ③ Voltage regulator, (0...±15 V DC)
- ④ Output (0...+15 V DC/1 A)
- ⑤ Output (0 V) for (0...±15 V DC/1 A)
- ⑥ Output (0...-15 V DC/1 A)

AC voltage

- ⑦ Transformer fuse M 0.315
- ⑧ Output, (24 V AC/1 A)
- ⑨ Output, (12 V AC/1 A)
- ⑩ Output, (6 V AC/1 A)
- ⑪ Output, (0 V)

DC voltage (fixed)

- ⑫ Output, (+5 V DC/1 A), potential-free from other output voltage
- ⑬ Output, (-) for (+5 V DC)
- ⑭ DIN socket for power supply to the SIMULOG system
- ⑮ Connection sockets

3. Operation

Voltage regulator

Continuous adjustment of the output voltages ±15 V DC.

Mains fuse (M 0.63)

In the case of a defective fuse:

- Switch off the device
- Eliminate fault source
- Replace fuse M 0.63 (do not use any other type of fuse!)

Transformer fuse (M 0.315)

In the case of defective fuse:

- Switch off device
- Eliminate fault source
- Replace fuse M 0.315 (do not use any other type of fuse!)

4. Technical data

Input voltage:	230 V AC, 50...60 Hz
Output voltage:	0...±15 V DC/1 A, floating – residual ripple: 3 mV rms. + 5V DC/1 A, floating – residual ripple: 1 mV rms. 6/12/24 V AC/1 A, floating
Fuse:	1. Mains fuse M 0.63 2. Transformer fuse M 0.315 in primary circuit of the transformer.
Output :	8 safety sockets, 4 mm 6-pole DIN socket for adapter/clock (SIMULOG)