

Physics

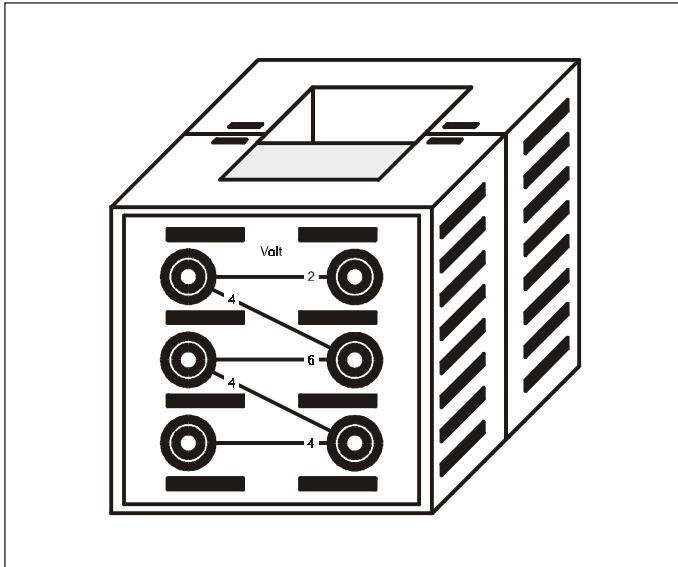
Chemistry · Biology

Technology



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## Instruction sheet 562 18

Extra-low-voltage coil, 50 turns (562 18)

### 1 Description

The extra-low-voltage coil, 50 turns is intended for use with the demountable transformer. As a secondary coil in conjunction with the mains coil 230 V (562 21) or 115 V (562 22) as the primary coil, it makes it possible to set up a transformer with an output voltage that is adjustable in steps up to approx. 20 V.

### 2 Technical data

Load capability:	15 A / 20 A (30 min)
Number of turns:	50
Wire size:	2 mm $\varnothing$
Resistance:	0.08 $\Omega$ (at room temperature)
Inductance:	0.1 mH (without iron core)
Dimensions:	8 cm $\times$ 8.5 cm $\times$ 11 cm

### Safety note

Depending on the operating conditions, the extra-low-voltage coil becomes very hot.

- Do not exceed the maximum permissible current.
- Do not cover the venting slots in the housing of the extra-low-voltage coil.

### 3 Accessories

1 U-core with yoke	562 11
1 clamping device	562 12
1 mains coil 230 V or	562 21
1 mains coil 115 V	562 22

### 4 Operation

AC voltage supply with output voltages of approx. 2 V, 4 V, 6 V, ... , 20 V

