



UE3020300
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P-1009885

Resistance Bridge

Resistance Bridge used to measure resistances in bridge circuits and investigate voltage drops across wires. The device is only suitable for low voltages. It consists of a rail with a scale mounted at two points and a resistance wire stretched between two connecting sockets. A sliding contact on the resistance wire is used to set the resistance of the resultant two wire sections. A Wheatstone bridge circuit is configured to determine unknown resistances.

- Dimensions: approx. 1300x100x90 mm³
- Rail: approx. 30x30 mm²
- Scale: 0 – 1000 mm
- Scale divisions: mm
- Resistance wire: 1 m, 0.5 mm diam.
- Material: NiCr
- Resistance: 5.3 Ω
- Connection: 4 mm safety jacks
- Maximum permissible voltage: 8 V
- Maximum permissible current: 1.5 A

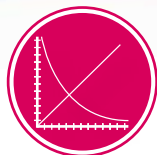
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Additionally recommended:

- P-1002726 Zero Galvanometer CA 403**
- P-1002730 Resistance Decade 1 Ω**
- P-1002731 Resistance Decade 10 Ω**
- P-1002732 Resistance Decade 100 Ω**
- P-1009843 High-Precision Resistor 1 Ω**
- P-1009844 High-Precision Resistor 10 Ω**
- P-1002776 AC/DC Power Supply Unit 0 – 12 V, 3 A (230 V, 50/60 Hz) or**
- P-1002775 AC/DC Power Supply Unit 0 – 12 V, 3 A (115 V, 50/60 Hz)**



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Resistance Apparatus

Apparatus to investigate the dependency of electrical resistance on conductor length, conductor cross-section and material. Six wires are laid out side by side on a metal base and both ends connect to 4 mm sockets.

- Wire specimens: Constantan 1.0 mm diam.,
Constantan 0.7 mm diam. (2x),
Constantan 0.5 mm diam.,
Constantan 0.35 mm diam.,
Brass 0.5 mm diam.
- Wire lengths: 1000 mm
- Dimensions: approx. 1085x120x50 mm³
- Weight: approx. 1.35 kg

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P-1000689



P-1009844

High Precision Resistors

High precision resistors in plastic housing with 4 mm safety plugs.
Dimensions: approx. 122x70x50 mm³

Art. No.	Resistance	Tolerance	Load rating
P-1009843	1 Ω	1%	4 W
P-1009844	10 Ω	1%	4 W
P-1009886	100 Ω	1%	4 W
P-1009887	1 kΩ	1%	4 W
P-1000685	10 kΩ	1%	4 W
P-1000686	100 kΩ	1%	1 W
P-1000690	300 kΩ	5%	1 W
P-1000687	1 MΩ	1%	1 W
P-1000688	10 MΩ	1%	1 W

Capacitor 2200 µF

- Capacitor in plastic housing with 4mm safety plugs.
- Capacitance: 2200 µF
- Tolerance: 20%
- Max. permissible voltage: 40 V
- Dimensions: approx. 122x70x50 mm³

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