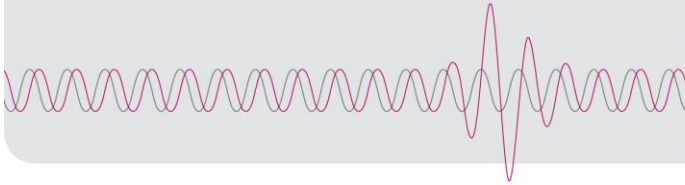


PROMET SE ■

SPECIFICATIONS



| | | | | |
|---|---|---|------------|------------------------|
| General description | High-precision ohm meter with an adjustable test current of up to 200 A. The measuring device is equipped with a rechargeable battery for portable use in switching stations and industrial environments. Two current outputs and two voltage measurement inputs allow the resistance to be measured at two measurement points simultaneously. Used in combination with an ACTAS test system, static and dynamic determination of the main contact resistances is possible on 2 main contact chambers per pole. | | | |
| Current source | Outputs, number | 2 | | |
| | Test current | 5...200 ADC | | |
| | Output voltage | 2.5 VDC | | |
| | Adjustable step value | 1 A | | |
| Voltage measurement | Inputs | 2 | | |
| Resistance | Range | 0 up to 250 mΩ | | |
| Current / Resistance ¹⁾ | max. | Test current | Resistance | |
| | | 10 A | 200 mΩ | |
| | | 100 A | 15 mΩ | |
| | | 200 A | 2 mΩ | |
| Measuring ranges, resolution, accuracy | | Measuring ranges | Resolution | Accuracy ²⁾ |
| | | 125 μΩ | 0.1 μΩ | 1.0 % |
| | | 250 μΩ | 0.1 μΩ | 0.5 % |
| | | 1.25 mΩ | 0.01 mΩ | 0.2 % |
| | | 2.5 mΩ | 0.001 mΩ | 0.2 % |
| | | 12.5 mΩ | 0.01 mΩ | 0.2 % |
| | | 25 mΩ | 0.01 mΩ | 0.2 % |
| | | 250 mΩ | 0.1 mΩ | 0.5 % |
| Power supply | Supply voltage | Battery operation independent of the power supply | | |
| | | Input: 12 VDC; 2 A max.; 24 W | | |
| | AC adapter | Input: 100...240 VAC; 50/60 Hz; 1.4 A | | |
| | | Output: 12 VDC; 5.0 A; 60 W max. | | |
| Battery operation | Charging time | ca. 2 h | | |
| | Number of measurements | ca. 400 measurements at 200 A of 100 μΩ ³⁾ | | |
| High-current connections | High-current sockets | 9 mm | | |
| Measurement connections | Safety sockets | 4 mm | | |
| Housing | Hand-held housing | Plastic | | |
| Dimensions | (W x H x D) | 200 x 178 x 100 mm | | |
| Weight | | < 1.5 kg | | |
| Screen | | High-resolution, resistive 3.5" touch screen | | |
| Operation | | Touch screen and 4 function keys | | |
| | | 2 enable keys (R1, R2) | | |

¹⁾ Using the standard cable set

²⁾ Of range

³⁾ Autoranging mode

| | | |
|--------------------------------------|-----------------------|--|
| Internal data memory | Capacity | 250 tests |
| Interfaces | PC interfaces | RJ 45 (Ethernet), USB-B |
| Environment | Operating temperature | -10°C...50°C |
| | Storage temperature | -20...60°C |
| | Relative humidity | 5...80%, non-condensing |
| | Degree of protection | IP 54 |
| | Safety | DIN EN 61010-1 300 V~CAT II |
| | Product standard | DIN EN 61326-1 |
| Temperature measurement input | Version | Two-wire |
| | Temperature range | -20°C...80°C |
| Measurement functions | | 2 x resistance measurement Determination of the quality factor BusBar mode Resistance measurement with temperature compensation Dynamic resistance measurement with ACTAS systems 2 main contacts per pole) |