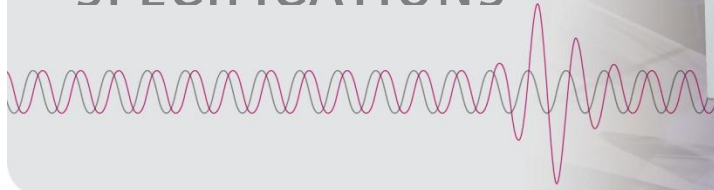


PROMET R300 | R600

SPECIFICATIONS



| | | |
|---------------------------------|--|---|
| General description | High-precision ohm meters with an adjustable test current of up to 600 A. For stationary and portable use in switching stations or industrial environments. One current output and three voltage measurement inputs allow the resistance to be measured at three measurement points simultaneously. Used in combination with an ACTAS test system, static and dynamic determination of the main contact resistances is possible. | |
| Current source | Outputs, number | 1 |
| | Test current | PROMET R300: up 300 ADC PROMET R600: up 600 ADC |
| | Output voltage | 5 VDC |
| | Adjustable step value | 1 A |
| Voltage measurement | Inputs, number | 3 |
| Measuring ranges | Current | PROMET R300: 100 A, 300 A PROMET R600: 100 A, 300 A, 600 A |
| | Voltage | 20 mV, 200 mV, 2 V Compensation of thermal EMFs |
| Resistance | Range | up to 250 mΩ |
| | Meas. points/results | 3 |
| | Accuracy | ≤ 0.1% of range |
| Meas. time/ramps | Range | Output time: up to 999 s Step width: 1 s |
| Inputs | Current clamps measurement input | Number: 1 Range: 2 VAC/DC |
| | Temperature measurement input | Number: 1 Model: Two-wire (PT1000) Temperature range: -20°...80° C |
| | Binary inputs | Number: 2 |
| Outputs | Binary outputs | Number: 2 |
| Power supply | Rated voltage | 85...265 VAC, 47...63 Hz, 120...265 VDC |
| High-current connections | High-current sockets | 13 mm |
| Meas. connections | Safety sockets | 4 mm |
| Housing | | 19" housing for rack-mounting, 3 U (stationary) Optional: portable housing |
| Dimensions | (W x H x D) mm | (483 x 132.5 x 230) mm |
| Weight | | PROMET R300: 7.6 kg PROMET R600: 10.5 kg |
| Screen | | High-resolution, resistive 5" touch screen |
| Operation | | Touch screen, 5 function keys |
| Internal data memory | Capacity | 900 tests |
| Interfaces | | RJ 45 (Ethernet), USB-B |
| Environment | Operating temperature | 0°...50° C |
| | Storage temperature | -20°...60° C |
| | Relative humidity | 5...80%, non-condensing |
| | Protection | IP 20 |
| | Safety | DIN EN 61010-1 300 V~CAT II |
| | Product standard | DIN EN 61326-1 |

Meas. functions Resistance measurement on ohmic resistances
Resistance measurement with earthing on both sides
Resistance measurement with temperature compensation
Static and dynamic resistance measurement with ACTAS systems
BusBar mode (voltage trigger)
Constant-current source
Determination of the quality factor
External control via PC/software
Compensation of thermal EMFs
Definition and execution of ramps
Detection of wrong connections