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 Switching threshold: 5…12 VDC (TTL)
Outputs	Binary outputs	Number: 2 Switching capacity: 5…12 VDC / max. 50 mA
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 Storage temperature Relative humidity Protection Safety Product standard	0°…50° C -20°…60° C 5...80%, non-condensing IP 20 DIN EN 61010-1 300 V~CAT II 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	