

PROMET L100s

SPECIFICATIONS



General description High-precision ohm meter with an adjustable test current of up to 100 A. The measuring device is equipped with an exchangeable standard tool battery for mobile use in switchgear or industrial environments.

Current source	Outputs, quantity	1
	Test current	1...100 ADC
	Output voltage	10 VDC
	Adjustable step value	1 A
Voltage measurement	Inputs, quantity	1
	Measuring ranges	25 mV – 250 mV – 2.5 V
Resistance		Up to 2.5 Ω
Accuracy		0.2 %
Measuring time	Range	1...100 A: up to 60 s
	Adjustable step value	1 s
Power supply	Supply voltage	Battery operation independent of the power supply
	Measurements	> 300 Measurements at 100 A
Battery operation	External charger	Battery voltage: 12 - 36 V
		Mains voltage: 220 - 240 V (EU, country-specific)
		Mains frequency: 50 - 60 Hz
		Output power: 55 W
		Loading time for 18 V/4.0 Ah: 80 min
	Battery pack	Type: LiHD
		Voltage: 18 V
		Capacity: 4 Ah
Temperature meas. input	Type	Two-wire (PT 1000)
	Temperature range	-20°C...80°C
Current clamps meas. input	Range	2 VAC/DC
High-current connections	High-current sockets	9 mm
Measurement connections	Safety sockets	4 mm
Housing		Hard-top case
Dimensions	(W x H x D) mm	318 x 152 x 257
Weight		4.5 kg
Display		High-resolution, resistive 5" touch screen
Operation		Touchscreen, Start/stop button
Internal data memory	Capacity	4 GB
Interfaces	PC interfaces	RJ45 (Ethernet), USB-B
PC		PROMET - Operating software for Windows

Environment	Operating temperature	-10...50°C
	Storage temperature	-20...60°C
	Relative humidity	5...80%, non-condensing
	Protection class	IP67 (closed)
	Safety	DIN EN 61010-1 300 V~CAT II
	Product standard	DIN EN 61326-1
Measurement 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