

# PROMET L100

## SPECIFICATIONS



<b>General description</b>	High-precision ohm meter with an adjustable test current of up to 100 A. The measuring device is equipped with a rechargeable battery for portable use in switching stations and industrial environments. PROMET L100 can also be used to determine the winding resistances of transformers, motors and instrument transformers.		
<b>Current source</b>	Outputs, quantity	1	
	Test current	1 to 100 ADC	
	Output voltage	20 VDC	
	Adjustable step value	1 A	
<b>Voltage measurement</b>	Inputs, quantity	1	
<b>Resistance</b>	Range	Up to 20 $\Omega$	
<b>Inductive load</b>	Range	Up to 1000 H	
<b>Transformer</b>	Power	Up to 1 GVA	
<b>Meas. parameters</b>	<b>Test current</b>	<b>1...19 A / 400 W</b>	
		<b>Measuring ranges</b>	<b>Max. resistance</b>
		0.02 V	20 m $\Omega$
		0.2 V	200 m $\Omega$
		2 V	2 $\Omega$
		20 V	20 $\Omega$
	<b>Test current</b>	<b>20...100 A / 1000 W</b>	
		<b>Measuring ranges</b>	<b>Max. resistance</b>
		0.02 V	1000 $\mu\Omega$
		0.2 V	10 m $\Omega$
		2 V	100 m $\Omega$
		20 V	1 $\Omega$
<b>Accuracy</b>		0.2 %	
<b>Meas. time</b>	Range	1...19 A: up to 20 min 20...50 A: 3...20 s (pre-selectable) 51...100 A: 3...15 s (pre-selectable)	
	Adjustable step value	1 s	
<b>Power supply</b>	Supply voltage	Battery operation independent of the power supply	
	Built-in battery charger	Input: 100...240 VAC; 50/60 Hz	
<b>Battery operation</b>	Charging time	6...8 h	
	Number of measurements	> 300 measurements at 100 A	
<b>Binary inputs</b>	Quantity	2	
<b>Binary outputs</b>	Quantity	2	
<b>Temperature meas. input</b>	Type	Digital or two-wire	
	Temperature range	-20°C...80°C	
<b>Current clamps meas. input</b>	Range	2 VAC/DC	
<b>High-current connections</b>	High-current sockets	9 mm	
<b>Measurement connections</b>	Safety sockets	4 mm	

<b>Housing</b>		Hard-top case
<b>Dimensions</b>	(W x H x D) mm	425 x 340 x 170
<b>Weight</b>		9.3 kg
<b>Display</b>		High-resolution, resistive 5" touch screen
<b>Operation</b>		Touch screen, 5 function keys
<b>Internal data memory</b>	Capacity	900 tests
<b>Interfaces</b>	PC interfaces	RJ45 (Ethernet), USB-B
<b>Environment</b>	Operating temperature	-10°C...50°C
	Storage temperature	-20...60°C
	Relative humidity	5...80%, non-condensing
	Protection class	IP65 (closed)
	Safety	DIN EN 61010-1 300 V~CAT II
	Product standard	DIN EN 61326-1
<b>Measurement functions</b>		Resistance measurement on ohmic resistances Resistance measurement on inductive loads Resistance measurement with earthing on both sides Resistance measurement with temperature compensation Static and dynamic resistance measurement with ACTAS systems