

Hipot Safety Analyser

LG 1805B

The LG 1805B hipot safety analyser combines High Voltage testing (AC and DC) as well as ground bond, insulation, equivalent leakage current, function and Continuity Testing in one device. The functional test can also be supplemented by a power measurement, and a Resistance Measurement between 1 - 1,000 Ω can also be integrated as an option.

The LG 1805B is ideal for fast, cost-effective and convenient safety testing in accordance with common national and international standards (IEC, EN, UL, VDE, etc.).

The standard integrated 10.1" touch color display ensures maximum convenience and ease of use. Simple and clear instructions on the display make operation intuitive and efficient. Thanks to the individually configurable test programs, a fully automatic test plan can also be created for each product.

The DUT only needs to be connected once - time-consuming reconnection is a thing of the past!



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		Desktop device
High Voltage Test AC	Voltage Range Current Range Short Circuit Current	100 V - 5500 V 0 mA - 3 mA < 3 mA
High Voltage Test DC	Voltage Range Current Range Short Circuit Current Residual Ripple	100 V - 6000 V 0 mA - 10 mA < 12 mA < 3 %
Insulation Measurement DC	Voltage Range Measuring Range (voltage-dependent)	100 V - 6000 V 250 k Ω - 6 G Ω
ARC Detection (opt.)	Range	0 % - 100 %
Ground Bond Test	Measuring Range Test Current AC	0 Ω - 10 Ω 1 A - 30 A
Equivalent Leakage Current Test	Measuring Range Test Voltage AC	0 mA - 10 mA 50 V - 270 V
Continuity Test	Measuring Range	0 mA - 600 mA
Resistance Measurement	Measuring Range	0 Ω - 1 k Ω
Measured Variables in Function Test	Current AC / DC Voltage AC / DC Active Power ReActive Power Apparent Power Cos φ	0 A - 16 A 0 V - 300 V 0 W - 4000 W 0 VAR - 4000 VAR 0 VA - 4000 VA -1 - +1
Subjective Tests	Picture-Step / Text-Step	Subjective or informative
Interfaces	Computer Interfaces Digital Interface 24 VDC Analogue Interface 10 VDC	2 x USB, RS 232, Ethernet / LAN, CAN 8 input + 8 output 2 x input + 1 x output
Operation	Touch for Input	10.1"-TFT colour display
Socket selection	Type	A, B, E, G, I, J, L
Dimensions and Weight (approx.)	Height Width Depth Weight	233 mm 9.2 in 447 mm 17.6 in 396 mm 15.6 in 15 kg 33.1 lbs