

Hipot Safety Analyser

KT 1886B

The KT 1886B 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 Function Test can also be supplemented by a power measurement, and a Resistance Measurement between 0 - 1 k Ω can also be integrated as an option.

The KT 1886B 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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		Rack 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 Voltage Range Current Range Short Circuit Current Residual Ripple	100 V - 6000 V 0 mA - 10 mA from 6000 V The current decreases by 10 mA per 500 V and results in a current of 50 mA at > 5500 V < 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 100 V - 270 V
Continuity Test	Measuring Range	0 mA - 600 mA
Resistance Measurement (opt.)	Measuring Range	0 Ω - 1 k Ω
Source Function Test	Voltage Frequency Power / Current	100 V - 270 V 50 Hz / 60 Hz 250 VA / 1 A
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
Dimensions and Weight (approx.)	Height Width Depth Weight	222 mm 8.7 in 483 mm 19.0 in 491 mm 19.3 in 21,5 kg 47.5 lbs