

Hipot Safety Analyser

KT 1886J

The KT 1886J 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 1886J is ideal for fast, cost-effective and convenient safety testing in accordance with current national and international standards (IEC, EN, UL, VDE etc.).

The 10.1" touch color display integrated as standard ensures maximum convenience and ease of operation. 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	100 V - 5500 V
	Current Range	0 mA - 100 mA
	Short Circuit Current	> 200 mA
High Voltage Test DC	Voltage Range	100 V - 6000 V
	Current Range	0 mA - 100 mA
	Voltage Range	from 6000 V
	Current Range	The current decreases by 10 mA per 500 V and results in a current of 50 mA at > 5500 V
	Short Circuit Current	> 50 mA
	Residual Ripple	< 3 %
Insulation Measurement DC	Voltage Range	100 V - 6000 V
	Measuring Range (voltage-dependent)	250 k Ω - 6 G Ω
ARC Detection (opt.)	Range	0 % - 100 %
Ground Bond Test	Measuring Range	0 Ω - 10 Ω
	Test Current AC	1 A - 30 A
Equivalent Leakage Current Test	Measuring Range	0 mA - 10 mA
	Test Voltage AC	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	100 V - 270 V
	Frequency	50 Hz / 60 Hz
	Power / Current	500 VA / 2 A
Measured Variables in Function Test	Current AC / DC	0 A - 16 A
	Voltage AC / DC	0 V - 300 V
	Active Power	0 W - 4000 W
	ReActive Power	0 VAR - 4000 VAR
	Apparent Power	0 VA - 4000 VA
	Cos φ	-1 - +1
Subjective Tests	Picture-Step / Text-Step	Subjective or informative
Interfaces	Computer Interfaces	2 x USB, RS 232, Ethernet / LAN, CAN
	Digital Interface 24 VDC	8 input + 8 output
	Analogue Interface 10 VDC	2 x input + 1 x output
Operation	Touch for Input	10.1"-TFT colour display
Dimensions and Weight (approx.)	Height	222 mm 8.7 in
	Width	483 mm 19.0 in
	Depth	491 mm 19.3 in
	Weight	27,5 kg 60.5 lbs