

## 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 $\Omega$  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!

		KT 1886B
		Rack device
High Voltage Test AC	Voltage Range	100 V - 5500 V
	Current Range	0 mA - 3 mA
	Short Circuit Current	< 3 mA
High Voltage Test DC	Voltage Range	100 V - 6000 V
	Current Range	0 mA - 10 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	< 12 mA
	Residual Ripple	< 3 %
Insulation Measurement DC	Voltage Range	100 V - 6000 V
	Measuring Range (voltage-dependent)	250 kΩ - 6 GΩ
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 kΩ
Source Function Test	Voltage	100 V - 270 V
	Frequency	50 Hz / 60 Hz
	Power / Current	250 VA / 1 A
Measured Variables in Function	Current AC / DC	0 A - 16 A
Test	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 I 8.7 in
	Width	483 mm l 19.0 in
	Depth	491 mm l 19.3 in
	Weight	21,5 kg l 47.5 lbs