

# DATA SHEET

## Multifunction safety tester S 1801M



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Desktop device 14" / 3 HU

<b>Description</b>	High voltage test devices with integrated safety current limitation at DC and AC voltage. With a few exceptions applicable in all global standards. In these devices the protection of the employee is „on-board“, there is no additional safety protection required. The fully electronic safety test device with digital generator generates the programmed constant current according to all test system standards. With the rear connections an almost unlimited application is given in manual test stations and in automatic test systems.	
<b>High voltage test AC</b>	Voltage range	100 up to 5,500 V
	Current range	0 up to 3 mA
	Short circuit current	< 3 mA
<b>High voltage test DC</b>	Voltage range	100 up to 6,000 V
	Current range	0 up to 10 mA
	Short circuit current	< 12 mA
	Residual ripple	< 3 %
<b>Insulation measurement DC</b>	Voltage range	100 up to 6,000 V
	Measuring range (voltage dependent)	250 kΩ up to 1 GΩ
	Residual ripple	< 3 %
<b>Ground bond test</b>	Measuring range	0 up to 400 mΩ
	Test current AC	10 up to 30 A
	Open circuit voltage (OCV)	6 V or 12 V
<b>Subjective tests</b>	Text step	subjective or informative
<b>General data</b>	Threshold values	all programmable
	Error message	visual and audible
	Ramp function	programmable (IEC 601)
	Generator	fully electronic, digital technology
	Memory	180 MByte
	Additional function	programmable inputs and outputs
	Dimensions (HxWxD) and weight	159 x 360 x 331 mm / approx. 11.0 kg 6.3 x 14.2 x 13.0 in. / approx. 24.5 lbs.
	Mains supply	90 up to 250 V, 50 Hz / 60 Hz
<b>Interfaces</b>	Computer interfaces	2 x USB, RS 232, Ethernet / LAN
	Digital interface 24 VDC	8 input + 8 output
<b>Operation</b>	Keypad for input	4.3"-TFT colour display