

Safety tester

Multi tester » LG 1800B

Compact tester LG 1800 B combines the 7 most important types of test in one device and so allows tests according to many standards (IEC, EN, UL, VDE, etc.). Performed are earth bond test, insulation test, high voltage test AC and DC, equivalent leakage current test, function test and continuity test. This safety tester impresses with its simple handling. The DUT is just contacted once and after start release the automatic test process is carried out. Visual text view steps allow the operator a user-friendly menu navigation through the entire test sequence.

Because of the safety current limitation according to EN 50191 no additional protective measures like test hood and two-hand operation are required for operation. The device concept fulfils all applications, from manual operation to automatic protocolling. Software packages for remote control support complete concepts and OEM-users.

Special emphasis was placed on optimal operation and readability of the measured values and results. Hereby the ergonomics of operation have priority in order to also allow users without programming knowledge the operation of the devices. A 4.3" TFT colour display with large PASS, FAIL indicator rounds off the whole thing. The USB-interface allows storage of standardized protocolling of all parameters and test and measurement results. The programme memory adapts dynamically to the test requirements. Via a comfortable WINDOWS software remote control by PC is possible.



Technical data

function test	0 - 300 VAC / standard 4 A
» optional	2 A / 10 A / 16 A
» voltage supply	externally 50 / 60 Hz current draw measurement
high voltage test DC	100 - 6000 VDC / 4 mA programmable
» potential	free
» safety current limited	yes
» ramp function	yes
high voltage test AC	100 - 5500 VAC / 3 mA programmable
» potential	free
» safety current limited	yes
» ramp function	yes
insulation test	100 - 6000 VDC / max. 20 GOhm programmable
» potential	free
» safety current limited	yes
» ramp function	yes
protective wire test	
» resistance measurement (EN 60 335)	10 - 30 AAC, max. 400 mOhm
» no-load voltage	6 V and 12 V
continuity test	24 VDC / 0,6 A
equivalent leakage current test	
» 1-phase	max. 270 V
» 1 / 10 mA	
plug-in	ergonomic table device
power supply	90 - 250 V / 50 or 60 Hz

Special features

- » conforms to CE, in accordance with EN 50 191
- » 7 in 1 tester
- » test device combination for safety and function test
- » safety current limited, therefore no further protective measures are necessary
- » internal change-over for all tests with single connection of DUT
- » calibration via Ethernet interface
- » ergonomic table device, supported by a user-friendly operation
- » automatic test process
- » 4.3" TFT colour display
- » time basis 0.1 - 999.9 seconds (dwell time)
- » optical and audible alarm
- » min/max-limiting value comparator
- » micro processor controlled
- » internal clock / calendar
- » 24 VDC control interface
- » PC-remote control interface

Accessories

- » high voltage test pistols
- » protective wire test probe
- » connection box
- » test dummy
- » PC remote control software



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