

# Safety tester

## Multi tester » LG 3881F

Compact testers of series 3881 combine protective wire, insulation, high voltage and function test in one device allowing tests according to many standards (IEC, EN, UL, VDE, etc.). This device concept meets all the application requirements for manual operation, automatic protocolling as well as a fully automatic system application. Software packages for remote control support complete concepts and OEM-users.

Special attention has been paid to a user-friendly operation via knob and a 5.7" colour display. As an option a keyboard or a barcode reader can be connected via USB interface. The programme memory adapts dynamically to the test requirements. Up to 8 digital IN- / OUTPUTS are processed during the test allowing the realization of small customer-specific test stations with adapters and switch matrix without additional controls. Optionally, up to 24 digital IN-/OUTPUTS are possible. Via a comfortable WINDOWS-software remote control with a PC is possible. The printer interface allows protocols of all parameters and test and measurement results according to standard.

Due to the integrated Ethernet interface several compact testers of series 3881 can be operated in a network with one server PC. The setup of this network solution allows the reading-in of the DUT directly at the compact tester via a connected barcode reader. Selection of test programme and filing of test results is carried out on the server PC.



### Technical Data

<b>function test</b> » voltage supply	0 - 300 VAC / 16 A externally 50 / 60 Hz current draw measurement
<b>high voltage test</b> » potential » safety current limited » ramp function	100 - 3000 / 4000 VDC / 3 mA, programmable earthed yes yes
<b>insulation test</b> » potential » safety current limited » ramp function	100 - 4000 VDC / max. 1,5 GOhm earthed yes yes
<b>protective wire test</b> » resistance measurement (EN 60 335)  » voltage measurement (EN 60 204) » no-load voltage	max. 30 AAC till 20 AAC, max. 500 mOhm at 25 AAC, max. 400 mOhm at 30 AAC, max. 300 mOhm 0 - 4 VAC 6 V and 12 V
<b>continuity test</b>	22 VDC / 0,5 A
<b>plug-in</b>	19" / 4 HU
<b>power supply</b>	230 V / 50 Hz or 115 V / 60 Hz

### Special features

- » conforms to CE, in accordance with EN 50 191
- » 5 in 1 tester
- » automatic test process
- » internal change-over for all tests with single connection of DUT
- » large 5.7" colour display
- » operation via knob and / or keyboard
- » micro processor controlled
- » dynamic programme memory
- » internal clock / calendar
- » automatic test process
- » interfaces:
  - 24 VDC interface / PLC remote control interface
  - USB interface for barcode reader / keyboard
  - Ethernet
  - RS 232 connection for remote control operation and printer
- » integration of IN- / OUTPUTS into test process:
  - 8 digital inputs
  - 8 digital outputs
  - 2 analogue inputs
- » type as 19" / 4 HU-plug-in for integration into a 19" rack and for integration of additional components

### Optional

- » PC-remote control software
- » PC-network software
- » additional 16 IN- / OUTPUTS
- » leakage current test
- » programmable sources for function test
- » DLL driver
- » active power measurement

### Accessories

- » protective wire test probe
- » PC-keyboard
- » barcode reader
- » test dummy
- » connection box



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