

## Compact Tester Series LG 3881



- Micro processor controlled
- Large 5.7" colour display
- Easy programming via rotary wheel
- Flexible configuration of test sequence
- Integration of IN-/OUTPUTS into the test sequence:
  - 8 digital inputs
  - 8 digital outputs
  - 2 analogue inputs
- Ethernet connection for network
- 2 USB interfaces (keyboard / barcode reader)
- RS232 interface
- Plug-in offers free space for extension



Technical data:	LG 3881D	LG 3881E	LG 3881F/G
<b>Continuity test</b>	voltage source, short-circuit proof		
<ul style="list-style-type: none"> <li>• test voltage</li> <li>• test current</li> <li>• resolution</li> <li>• evaluation</li> <li>• intrusion</li> <li>• accuracy</li> </ul>	24 V DC 0 – 600 mA 1 mA MIN/MAX threshold L ↔ N at socket current: 1.5% v.E.		
<b>Protective wire test</b>	programmable, fully electronic AC source, potential free. 4-wire measurement.		
<ul style="list-style-type: none"> <li>• test current</li> <li>• no-load voltage</li> <li>• resistance measurement</li> <li>• resolution</li> <li>• evaluation</li> <li>• voltage measurement</li> <li>• intrusion</li> <li>• accuracy</li> </ul>	10 – 30 A AC programmable. 6/12 V AC programmable. till 20 AAC - max. 500 mOhm, at 25 AAC - max. 400 mOhm, at 30 AAC - max. 300 mOhm 1 mOhm MIN/MAX threshold 0 – 4 V AC, evaluation depending on programmed cable cross-section (EN 60 204) grounding contacts of socket against PE probe resistance / current / voltage: 1.5% v.E.		
<b>Insulation test</b>	fully electronic power source, potential free (not LG 3881F/G), safety current limited <10 mA DC		
<ul style="list-style-type: none"> <li>• test voltage</li> <li>• resistance measurement</li> <li>• resolution</li> <li>• evaluation</li> <li>• intrusion</li> <li>• accuracy</li> </ul>	500 V DC  0.25 – 50 MOhm 0.1 MOhm	100–3000   4000 V DC progr., with ramp function 500 kOhm/V 100 kOhm voltage dependent	
	MIN threshold		
	socket: L+N ↔ PE or PE ↔ probe		
	resistance: 5% v.E., voltage: 2% v.E. range 0.25–5 MOhm: 2.5% v.E. range 5–50 MOhm: 5% v.E.	(see below)	
<b>High voltage test</b>	fully electronic power source, potential free (not LG 3881F/G). safety current limited <10 mADC.		
<ul style="list-style-type: none"> <li>• test voltage</li> <li>• current measurement</li> <li>• resolution</li> <li>• evaluation</li> <li>• intrusion</li> <li>• accuracy</li> </ul>	not available	1500 V DC  max. 3.9 mA 0.01 mA	100 – 3000   4000 V DC progr., with ramp function max. 3.9 mA 0.01 mA
	MIN/MAX threshold		
	socket: L+N ↔ PE or PE ↔ probe		
	current: 2.5% v.E. voltage: 2% v.E.	(see below)	
<b>Function test</b>	1-phase current measurement, external voltage feed-in		
<ul style="list-style-type: none"> <li>• test voltage</li> <li>• current measurement</li> <li>• resolution</li> <li>• frequency</li> <li>• evaluation</li> <li>• intrusion</li> <li>• accuracy</li> </ul>	0 – 400 VAC 4 A (optional 10 / 16 A) 0.01 A 50/60 Hz MIN/MAX threshold socket: L / N / PE current: 1.5% v.E.		
<b>Accuracy &amp; Tolerance</b>	(for LG 3881F/G)		
<ul style="list-style-type: none"> <li>• test voltage</li> <li>• current</li> </ul>	repeatability betw. 100V and 3000   4000V: ± 2% of nominal value 2.5% of max. value ± 0.01 mA		
<b>Features</b>	5.7" colour LC display , operation by rotary wheel or connected PC keyboard		
<ul style="list-style-type: none"> <li>• Interfaces</li> <li>• Memory</li> <li>• Dimensions/weight</li> <li>• Operating conditions</li> <li>• Voltage supply</li> </ul>	RS-232: printer or PC remote control, USB: PC keyboard or barcode reader Ethernet RJ-45 network connection, PLC, digital I/O, analogue I/O dynamic memory management 19" / 4 HU, depth approx. 310 mm, 13.0 kg temperature: 15 – 40°C / max. humidity: 70% 230 V AC ±10% / 50 Hz ; optionally also 115 VAC / 60 Hz		