

Compact Tester Series LG 3800



- **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
 - 1 analogue output
- **Ethernet connection for network**
- **PS2 connection (keyboard / barcode reader)**
- **RS232 / COM / USB interfaces**
- **Statistic function**



Technical data:	LG 3800D	LG 3800E	LG 3800F/G
Continuity test	voltage source, short-circuit proof		
• test voltage • test current • resolution • evaluation • intrusion • accuracy	24 V DC 0 - 600 mA 1 mA MIN/MAX threshold L ↔ N at socket current: 1.5% v.E.		
Protective wire test	programmable, fully electronic AC source, potential free. 4-wire measurement.		
• test current • no-load voltage • resistance measurement • resolution • evaluation • voltage measurement • intrusion • accuracy	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.		
Insulation test	fully electronic power source, potential free (not LG 3800F/G). safety current limited <10 mA DC		
• test voltage • resistance measurement • resolution • evaluation • intrusion • accuracy	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)	
High voltage test	fully electronic power source, potential free (not LG 3800F/G). safety current limited <10 mADC.		
• test voltage • current measurement • resolution • evaluation • intrusion • accuracy	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)
Function test	1-phase current measurement, external voltage feed-in		
• test voltage • current measurement • resolution • frequency • evaluation • intrusion • accuracy	0 - 400 VAC 4 A (optional 5 / 8 / 10 / 20 A) 0.01 A 50/60 Hz MIN/MAX threshold socket: L / N / PE current: 1.5% v.E.		
Accuracy & Tolerance	(for LG 3800F / G)		
• test voltage • voltage display • current display	repeatability betw. 100V and 3000 4000V: max. error above 100V: max. error above 0.04 mA:	± 2% of nominal value < 0.3% of max. value ± 1% of actual value < 0.3% of max. value ± 1% of actual value	
Features	5.7" colour LC display , operation by rotary wheel or connected PC keyboard		
• Interfaces • Memory • Dimensions/weight • Operating conditions • Voltage supply	RS-232: printer or PC remote control, PS/2: PC keyboard or barcode reader Ethernet RJ-45 network connection, USB, PLC, digital I/O, analogue I/O dynamic memory management 14"/3 HU, depth approx. 330 mm, 12.5 kg temperature: 15 - 40°C / max. humidity: 70% 230 V AC ±10% / 50/60 Hz		