

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
Continuity test	voltage source, short-circuit proof		
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • test current • no-load voltage • resistance measurement • resolution • evaluation • voltage measurement • intrusion • accuracy 	10 – 30 A AC programmable. 6/ 12 V AC programmable. 0 – 500 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) safety current limited <10 mA DC		
<ul style="list-style-type: none"> • test voltage • resistance measurement • resolution • evaluation • intrusion • accuracy 	500 V DC 0.25 – 50 MOhm 0.1 MOhm	100–3000 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.		resistance: 3%v.E. voltage: 1.5%v.E.	
High voltage test	fully electronic power source, potential free (not LG 3800F) safety current limited <10 mA DC		
<ul style="list-style-type: none"> • test voltage • current measurement • resolution • evaluation • intrusion • accuracy 	not available	1500 V DC max. 3.9 mA 0.01 mA	100 – 3000 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.		current: 1.5%v.E. voltage: 1.5%v.E.	
Function test	1-phase current measurement, external voltage feed-in overload protection by circuit breaker		
<ul style="list-style-type: none"> • test voltage • current measurement • resolution • frequency • evaluation • intrusion • accuracy 	0 – 400 V AC 4 A (optional 10/ 16 A) 0.01 A 50/ 60 Hz MIN/ MAX threshold socket: L/ N/ PE current: 1.5%v.E.		
Features	5.7" colour LC display		
<ul style="list-style-type: none"> • Interfaces • Memory • Dimensions/weight • Operating conditions • Voltage supply 	operation by rotary wheel or connected PC keyboard 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		