

Multi-functional Electrical Measuring Instrument

G9300 Series - G9309

The GAZELLE G9309 Multifunction Installation Tester is an easy-to-use and intuitive instrument used for regular installation and maintenance testing. Designed with a combination of large-scale integrated analog & digital circuits and micro-processor chip, the G9309 measures RCD, line/loop impedance, continuity, insulation resistance, DC and AC voltage, and phase sequence. It's an ideal tool for testing, inspection and maintenance which features versatile functionality, higher accuracy, stable performance and ease of use that saves time and gives you more confidence in your results.



Standard Accessories

- Batteries
- Test Leads
- Hard Carrying Case
- Instruction Manual

- 9999-count LCD display with analogue bar; auto power off
- 250V~1000V DC insulation resistance test
- 200mA earth-resistance continuity test
- Measures RCD trip current and trip time in parallel (RCD type AC and A)
- Measures RCD switching time and tripping level (ramp test)
- Measures RCD variable current
- Loop impedance/Prospective Fault Current (PFC)/Prospective Short Current (PSC) test
- Lock test
- Data storage with one key
- 0°/180° phase angle option to detect the fastest trigger time
- Includes a phase sequence indicator
- AC/DC voltage auto check and test
- Features large display with white backlight, clear symbols, and wide viewing angle for easy and safe readings
- Rotary dial knob clearly indicates which function is selected, all in one spot with no complex multi-level menus.
- Performs fast voltage measurement between L-N, L-PE, and N-PE using the mains cord. No need to change measurement connections
- Comes with hard carrying case, test leads and batteries

Specifications		Range	Best Accuracy
Insulation Resistance (Ω)	Output voltage	250V/500V/1000V	$\pm 10\%$
	250V	0.05M Ω ~250M Ω	$\pm(5\%+5)$
	500V	0.05M Ω ~500M Ω	
	1000V	0.05M Ω ~1000M Ω	
	Short-circuit current	<1.8mA	<2mA
Continuity test	Range	0.01 Ω ~200 Ω	$\pm(2\%+5)$
	Test current	0.00~2 Ω : >200mA	\checkmark
Line impedance (Ω)	Operating Voltage (L-N)	Voltage: 195V~440V, Frequency: 45Hz~65Hz	
	Test Current & Time	20A/20ms	
	Measuring Scope	0.05 Ω ~2000 Ω	
	Measuring Ranges	0.05 Ω ~1.99 Ω	
		2.0 Ω ~19.9 Ω	
		20 Ω ~2000 Ω	
	Accuracy	$\pm(5\%+5)$	
Resolution	Minimum 0.01 Ω		
Prospective Short Current	0KA~26KA		
Loop impedance (Ω)	Operating Voltage (L-E)	Voltage: 220V $\pm 10\%$, Frequency: 45Hz~65Hz	
	Test Current & Time	20A/20ms	
	Measuring Scope	0.05 Ω ~2000 Ω	
	Measuring Ranges	0.05 Ω ~1.99 Ω	
		2.0 Ω ~19.9 Ω	
		20 Ω ~2000 Ω	
	Accuracy	$\pm(5\%+5)$	
Resolution	Minimum 0.01 Ω		
Prospective Fault Current	0KA~26KA		
Non-trip loop impedance (Ω)	Operating Voltage (L-E)	Voltage: 220V $\pm 10\%$, Frequency: 45Hz~65Hz	
	Test Current	20A	
	Display Range	0.01 Ω ~2000 Ω	
	Measuring Scope	1.00 Ω ~2000 Ω	
	Measuring Ranges	1.00 Ω ~1.99 Ω	
		2.0 Ω ~19.9 Ω	
		20 Ω ~2000 Ω	
Accuracy	$\pm 5\% \pm 12d$ + Noise Margin (1.00~1.99) $\pm 5\% \pm 5d$ (2.0~19.9)		
Resolution	Minimum 0.01 Ω		
Prospective Fault Current	0KA~26KA		
RCD test	Operating voltage (Frequency)	195V~253V (45Hz~65Hz)	
	Test current	10mA/30mA/100mA/300mA/500mA	
	Trip time	$\times 1/2$ *I Δ n Range: 0ms~2000ms	
		$\times 1$ *I Δ n Range: 0ms~500ms (Select count down)	
		$\times 1$ *I Δ n Range: 0ms~300ms	
		$\times 2$ *I Δ n Range: 0ms~150ms	
$\times 5$ *I Δ n Range: 0ms~40ms			
$\times 2$ *I Δ n Range: 0ms~200ms (Select count down)			

Specifications		Range	Best Accuracy
Phase sequence test	Operating voltage (Frequency)	100V~440V (45Hz~65Hz)	√
	Display	Phase sequence: L1→L2→L3, forward rotation; L1→L3→L2 reverse rotation	√
Ramp RCD test	Test current	10mA/30mA/100mA/300mA/500mA	±10%
AC voltage (V)	Range	0V~440V	±(5%+2)
	Frequency response	45Hz~65Hz	√
	Resolution	1V	√
Features			
Display count			9999
Auto power off			√
Low battery indication			√
Data Storage			√
LCD backlight			√
Auto half-wave test			√
RCD count down test	30s		√
RCD half-wave test			√
Phase conversion (RCD)	0° and 180°		√
General Characteristics			
Power		1.5V battery × 8	
LCD size		125mm × 37mm	
Product color		Blue and grey	
Product net weight		1000g	
Product size		210mm × 175mm × 90 mm	
Standard accessories		Battery, test leads (red×1, green×1, black×1), special power test lead, remote-control test lead	