


Features:

- A rugged, compact insulation resistance tester for residential and commercial electricians
- Performs insulation tests from 0.01 MΩ to 2000 MΩ
- Offers two insulation test voltages: 500 V and 1000 V
- Includes live circuit detection to prevent insulation test if voltage >30 V is detected
- Measures resistance from 0.01 Ω to 20.00 kΩ

Specifications:

AC/DC Voltage Measurement		
Accuracy	Range	600.0 V
	Resolution	0.1 V
	50 Hz to 400 Hz \pm (% of Rdg + Digits)	\pm (2% + 3)
Input impedance	3 MΩ (nominal), < 100 pF	
Common mode rejection ratio (1 kΩ unbalanced)	> 60 dB at DC, 50 or 60 Hz	
Overload protection	600 V rms or DC	
Earth Bond Resistance Measurement		
Range/Resolution	20.00 Ω	0.01 Ω
	200.0 Ω	0.1 Ω
	2000 Ω	1.0 Ω
	20.00 kΩ	0.01 kΩ
Accuracy	\pm (1.5% + 3)	
Overload protection	2 V rms or DC	

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Open circuit test voltage	> 4.0 V, < 8 V	
Short circuit current	> 200.0 mA	
Insulation Specifications		
Measurement range	0.01 MΩ to 2000 MΩ	
Test voltage	500 V, 1000 V	
Test voltage accuracy	+ 20%, - 0%	
Short circuit current	1 mA nominal	
Auto discharge	Discharge time < 0.5 second for C = 1 μF or less	
Live circuit indicator	Inhibit test if terminal voltage > 30 V prior to initialization of test	
Maximum capacitive load	Operable with up to 1 μF load	
Measure accuracy	500 V	±(1.5% + 5)
	1000 V	±(1.5% + 5) to 2000 MΩ, ±(10% + 3) above 2000 MΩ
General Specifications		
Maximum voltage applied to any terminal:	600 V AC rms or DC	
Storage temperature	-40°C to 60°C (-40°F to 140°F)	
Operating temperature	-20°C to 55°C (-4°F to 131°F)	
Temperature coefficient	0.05 x (specified accuracy) per °C for temperatures < 18°C or > 28°C (< 64°F or > 82°F)	
Relative humidity	0% to 95% @ 10°C to 30°C (50°F to 86°F)	
	0% to 75% @ 30°C to 40°C (86°F to 104°F)	
	0% to 40% @ 40°C to 55°C (104°F to 131°F)	
Vibration	Random, 2 g, 5-500 Hz per MIL-PRF-28800F, Class 2 instrument	

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