

Order Code - 22235437.27 **Insulation Tester**



Features:

- A rugged, compact insulation resistance tester for residential and commercial electricians
- Performs insulation tests from 0.01 M Ω to 2000 M Ω
- 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 k Ω

Specifications:

AC/DC Voltage Measurement			
Accuracy	Range	600.0 V	
	Resolution	0.1 V	
	50 Hz to 400 Hz ±(% of Rdg + Digits)	±(2% + 3)	
Input impedance	3 MΩ (nominal), < 100 pF		
Common mode rejection ratio (1 k Ω 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	±(1.5% + 3)		
Overload protection	2 V rms or DC		

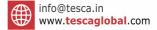
Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

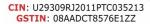


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IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Jaipur-302022, India.























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Open circuit test voltage	> 4.0 V, < 8 V	> 4.0 V, < 8 V		
Short circuit current	> 200.0 mA			
Insulation Specifications				
Measurement range	0.01 ΜΩ to 2000 ΜΩ			
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	$\pm (1.5\%$ + 5) to 2000 M $\Omega,$ $\pm (10\%$ + 3) above 2000 M Ω		
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 1	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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