

Fluke 1503 / 1507 Insulation Resistance Testers



Insulation resistance testing in the palm of your hand

The Fluke 1507 and 1503 Insulation Testers are compact, rugged, reliable, and easy to use. With their multiple test voltages, they are ideal for many troubleshooting, commissioning, and preventative maintenance applications.

Additional features, like the remote probe on these tools save both time and money when performing tests.



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 M Ω (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 K Ω	0.01 k Ω
Accuracy	\pm (1.5 % + 3)	
Overload Protection	2 V rms or dc	
Open Circuit Test Voltage	> 4.0 V, < 8 V	
Short Circuit Current	> 200.0 mA	
Insulation Specifications		
Measurement Range	1507: 0.01M Ω . to 10 G Ω .	
	1503: 0.01M Ω . to 2000 M Ω .	
Test Voltage	1507: 50 V, 100 V, 250 V, 500 V, 1000 V	
	1503: 500 V, 1000V	
Test Voltage Accuracy	+ 20 %, - 0 %	
Short Circuit Current	1 mA nominal	
Auto Discharge	Discharge time < 0.5 second for C = 1 μ F or less	
Live Circuit Indicator	Inhibit test if terminal voltage > 30 V prior to initialisation of test	
Maximum Capacitive Load	Operable with up to 1 μ F load	
Measure Accuracy	50 V: \pm (3 % + 5)	
	100 V: \pm (3 % + 5)	
	250 V: \pm (1.5 % + 5)	
	500 V: \pm (1.5 % + 5)	
	1000 V: \pm (1.5 % + 5) to 2000 M Ω , \pm (10 % + 3) above 2000 M Ω	