

Insulation Resistance Tester

Model: 1503

Features:

- 1- Insulation test range: 0.1 MΩ to 2000 MΩ
- 2- Insulation test voltages: 500 V, 1000 V
- 3- Repetitive or hard-to-reach testing is easy with the remote test probe
- 4- Live circuit detection prevents insulation test if voltage > 30 V is detected for added user protection
- 5- Auto-discharge of capacitive voltage for added user protection
- 6- AC/DC voltage: 0.1 V to 600 V
- 7- 200 mA Continuity
- 8- Resistance: 0.01 Ω to 20.00 kΩ
- 9- Save battery power with auto power off
- 10- Read measurements easily with large, backlit display
- 11- CAT IV 600 V overvoltage category rating for added user protection
- 12- Remote probe, test leads, probes and alligator clips included with each tester
- 13- Accepts optional Fluke TPAK magnetic hanging system to free your hands for other work
- 14- Four AA alkaline batteries for at least 1000 insulation tests



Specifications:

Maximum voltage applied to any terminal:	600 V ac rms or dc
Storage Temperature	-40 °C to 60 °C
Operating Temperature	-20 °C to 55 °C
Temperature Coefficient	0.05 x (specified accuracy) per °C for temperatures < 18 °C or > 28 °C
Relative Humidity	0 % to 95 % @ 10 °C to 30 °C 0 % to 75 % @ 30 °C to 40 °C 0 % to 40 % @ 40 °C to 55 °C
Vibration	Random, 2 g, 5-500 Hz per MIL-PRF-28800F, Class 2 instrument
Shock	1 meter drop per IEC 61010-1 2nd Edition (1 meter drop test, six sides, oak floor)
Electromagnetic compatibility:	In an RF field of 3 V/M, accuracy = specified accuracy (EN 61326-1:1997)
Safety	Complies with ANSI/ISA 82.02.01 (61010-1) 2004, CAN/CSA-C22.2 NO. 61010-1-04, and IEC/EN 61010-1 2nd Edition for measurement category IV 600 V (CAT IV)
Certifications:	CSA per standard CSA/CAN C22.2 No. 61010.1-04; TUV per standard IEC/EN 61010-1 2nd Edition
Size	5.0 cm H x 10.0 cm W x 20.3 cm L (1.97 in H x 3.94 in W x 8.00 in L)
Weight	550 g (1.2 lb)
IP Rating	IP40
Altitude	Operating: 2000 m CAT IV 600 V, 3000 m CAT III 600 V Non-operating (storage): 12,000 m
Over-range capability:	110 % of range
Included accessories:	TL224 Test Leads, TP74 Test Probes, clips PN 1958654 (red) and PN 1958646 (black), holster and remote probe