EXTECH INSTRUMENTS

PRODUCT DATASHEET

MG325 CAT IV Insulation Tester/ True RMS MultiMeter

Checking voltage on a lathe

Insulation test on pump motor

Combines a 200GΩ/1000V high range Insulation Tester with a full-featured True RMS MultiMeter in a single, compact instrument. CAT IV safety rating ensures the highest level of protection.

Features

- Measure Insulation Resistance to 200GΩ
- 5 Test Voltage ranges
- Polarization Index (PI) and Dielectric Absorption Ratio measurements (DAR)
- Low Resistance measurement with Zero function
- Programmable Timer feature sets the duration of test
- Comparison Mode allows user to set the Pass/Fail values for insulation measurements
- Step Voltage (10% steps at 50% to 120% of range)
- Auto-discharge of voltage test signal
- Lock Power On Function for hands-free operation
- Manually store/recall up to 99 readings
- Backlit 10,000 count display with analog bargraph
- LED high voltage and LCD overload indication
- Data Hold to freeze displayed reading
- Auto Power Off and Low battery indication
- CAT IV-600V safety category
- Complete with remote probe, test leads, alligator clip, 6 x AA batteries, and soft case

Specifications	Range	Resolution	Basic Accuracy
Insulation Resistance	50MΩ, 100MΩ, 200MΩ,500MΩ, 2000MΩ 1GΩ, 10GΩ, 20GΩ, 50GΩ, 100GΩ, 200GΩ	0.001MΩ	±(3%+3d)
Insulation Test Voltages	50V, 100V, 250V, 500V, 1000V		0 to 20%
AC/DC Voltage	600V	0.01V	AC: ±(1.5%+5d)/ DC: ±(2%+3d)
Leakage Current	2000µA	10µA	±(10%+3d)
Resistance	10MΩ	0.01kΩ	±(3%+3d)
Low Resistance	100Ω	0.01Ω	±(1.5%+5d)
Capacitance	500µF	0.1nF	±(5%+5d)
Frequency	1kHZ	0.1HZ	±(0.1%+3d)
Continuity (audible)	Yes		
Dimensions/ Weight	8.9 x 4.1 x 2.3" (225 x 103 x 59mm)/ 1.5lbs (0.7kg)		

Ordering

MG325..... CAT IV Insulation Tester/True RMS MultiMeter with Remote Test Probe

CE EN 61010-1 CAT IV 600V

UPC Code: 793950383353

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