

Insulation Tester



Features:

- Built-in 200 Ω range for measuring low resistance such as motor windings, relay coils, etc
- Battery operated (not included)
- LSI circuit for high reliability and durability
- Over-input and low battery indications
- Overload protection for each range
- Automatic zero adjust

Environmental Conditions:

- Installation categories III
- Pollution degree 2
- Altitude up to 2,000 meters
- Indoor use
- Relative humidity 80% maximum

General Specifications

Display	18 mm (0.7 inches) LCD maximum indication 1,999
Measurement	Insulation : 200 M Ω / 500 V 1,000 M Ω / 1,000 V
	OHMS : 200 Ω
Sampling Time	0.4 second
M Ω Response Time	Maximum approximately 2.5 second
Zero Adjustment	Automatic adjustment
Over - Input	Indication of "1"
Operating Temperature	0°C to 50°C (0°F to 122°F)
Operating Humidity	Less than 80% R.H.
Power Supply	Eight, AA(UM-3) batteries (not included)
Power Consumption	Approximately 100 mA (1,000 M Ω / 1,000 V range)
	Approximately 50 mA (200 M Ω / 500 V range)
	Approximately 1.6 mA (200 Ω / OHMS range)
Dimensions	170 × 127 × 78 mm (6.7 × 5 × 3.1 inches)
Weight	560 g (1,2 lb)
Includes	Instruction manual, 1 pair alligator clips.

Electrical Specifications

Range	Accuracy	Resolution	Open Circuit Voltage
0 to 200 M Ω (500 V)	$\pm(3\% + 1 \text{ digit})$	0.1 M Ω	Approximately DC 480 V (over 8 M Ω)
0 to 1,000 M Ω (1,000 V)	$\pm(3\% + 1 \text{ digit})$	1 M Ω	Approximately DC 975 V (over 8 M Ω)

Input terminal short circuit current is approximately 0.2 mA for 200 M Ω / 500 V range
Input terminal short circuit current is approximately 0.2 mA for 1,000 M Ω / 1,000 V range

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Range	Accuracy	Resolution	Open Circuit Voltage
200 Ω	$\pm(1\% + 1 \text{ digit})$	0.1 Ω	Approximately 3 V

Overload circuit protection AC / DC 500 V (within 20 seconds)

Note : The above specifications are tested under the environment RF field strength less than 3 V / M and frequency less than 30 MHz only

Part Number Table

Description	Part Number
Tester, Insulation	72-6782

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