

DI2001 Cat. III Digital Insulation Tester

- Measures insulation resistance to 2000MΩ
- 250V, 500V and 1000V test voltages
- Meets IEC 1010-1, Category III-600V safety standards
- Data and Max hold
- 3-1/2 digit, 2000 count LCD
- Continuity buzzer



DI2001

DI4000 Digital Insulation Tester

- Measures insulation resistance to 2000MΩ
- Measures AC volts
- Data hold and backlight
- 3-1/2 digits, 3200 count LCD
- Designed to IEC-1557-2 standards
- Rugged case and lightweight
- 125, 250V and 1000V test voltages



DI4000

■ SPECIFICATIONS

[DI2001]

Volts DC

Range: 0 to 1000V

Resolution: 1V

Accuracy: ± (0.5% Rdg. + 1D)

Volts AC

Ranges: 0 to 750V

Resolution: 1V

Accuracy: ± (0.8% Rdg + 4D)

Mega Ohms

Ranges:

0 to 250MΩ @ 250V

0 to 250MΩ @ 500V

0 to 2000MΩ @ 1000V

Resolution:

0.1MΩ (250MΩ Range)

1.0MΩ (2000MΩ Range)

Accuracy: ± (3% + 5D)

Display: 2000 Count; 3-1/2 Digit

General Specifications

Power: (8) 1.5V AA Batteries

Operating Temperature: 0 to 40°C

at a relative humidity of < 80%

Size: 6.3" H x 3.8" W x 2.0" D

Weight: 17 oz.

Supplied Accessories: Manual, Test probe, Leads, Batteries

[DI4000]

Volts AC

Ranges: 0 to 600V

Resolution: 1V

Accuracy: ± (2.5% Rdg)

Input Impedance: 20MΩ

Max. Input: 600V

Insulation Measurement

Effective Measuring Resistance:

20MΩ @ 125V

50MΩ @ 250V

2000MΩ @ 1000V

Rated Measurement Current: Approx. 1mA +20% - 0%

Short Circuit Current: < 2mA

Minimum Measurable Resistance:

20MΩ Range: 0.125MΩ

50MΩ Range: 0.250MΩ

1000MΩ Range: 1.0 MΩ

Accuracy :

125V: 0.02Ω to 10MΩ: < ±5%

500V: 0.1MΩ to 50MΩ: < ±5%

1000V: 2MΩ to 1000Ω: < ±5%

125V: 0.1MΩ to 0.03MΩ and 10MΩ to 100MΩ: < ±10%

500V: 0.05MΩ to 0.1MΩ and 50MΩ to 100MΩ: < ±10%

1000V: 1MΩ to 2MΩ and 1000MΩ to 2000MΩ: < ±10%

General Specifications

Power: (6) 1.5V AA Batteries

Operating Temp: 0 to 40°C at a relative humidity of < 80%

Size: 4.1" H x 7.0" W x 2.1" D

Weight: 13 oz.

Supplied Accessories: Manual, Test Probe, Lead with Case, 6 AA Batteries