INSULATION TESTERS

KOICO® Japan

1KV DIGITAL INSULATION TESTER WITH PI & DAR MEASUREMENT

Model 4402



FEATURES

- Insulation resistance measuring range up to 20GΩ
- Insulation Test voltages of 50V, 100V, 250V, 500V and 1000V
- PI and DAR measurement
- Live circuit detection
- Large backlight display
- Measures Voltage, Resistance, Continuity and LoΩ
- Complies with EN61010 CAT IV 600V

50V 100V 250V 500V 1000V PI

DAR AC DC V Ω CAT IV 600V

CE

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KOICO 4402 ELECTRICAL SPECIFICATION

INSULATION RESISTANCE

Test Voltage	Range	Accuracy
50V	300KΩ 3.00MΩ 30.0MΩ 300MΩ 1.00GΩ	± (3%rdg+5dgts) (30KΩ ~ 1.00GΩ)
100V	600KΩ 6.00MΩ 60.0MΩ 600MΩ 2.00GΩ	± (3%rdg+5dgts) (60KΩ ~ 2.00GΩ)
250V	1.50MΩ 15.0MΩ 150MΩ 1.50GΩ	± (3%rdg+5dgts) (0.15MΩ ~ 1.50GΩ)
	5.0GΩ	± (10%rdg+3dgts)
500V	3.00MΩ 30.0MΩ 300MΩ 3.00GΩ	± (3%rdg+5dgts) (0.30MΩ ~ 3.00GΩ)
	10.0GΩ	±(10%rdg+3dgts)
1000V	6.00MΩ 60.0MΩ 600MΩ 6.00GΩ	± (3%rdg+5dgts) (0.60MΩ ~ 6.00GΩ)
	20.0GΩ	± (10%rdg+3dgts)

Test voltage accuracy: 0% to +20%

Test voltage vs. Minimum resistance (with test current=1mA): 50V/50KΩ, 100V/100KΩ, 250V/250KΩ, 500V/500KΩ

Test voltage accuracy: 0% to +20%

Short circuit test current: 1mA(nominal)

Live circuit detection: Inhibit test if terminal voltage > 30 V prior to initialization of test

AC/DC VOLTAGE

Range	Resolution	Accuracy (AC: 45~500Hz)
60.00V 600.0V	0.01V 0.1V	±2%rdg+5dgts

RESISTANCE:

Range	Resolution	Accuracy
600.0Ω 6.000KΩ 60.00KΩ 600.0KΩ	0.1Ω 0.001KΩ 0.01KΩ 0.1KΩ	2%rdg+5dgts

CONTINUITY:

Range	Resolution	Accuracy
600.0Ω	0.1Ω	<7Ω±1Ω

LoΩ:

Range	Resolution	Accuracy
6.00Ω/60.0Ω	0.01Ω/0.1Ω	2%rdg+3dgts

Open circuit test voltage: > 4.0V, < 8V
Short circuit current: > 200.0mA

GENERAL SPECIFICATIONS

Auto Power Off: Approx. 10 minutes.

Approvals: EN61010 600V CAT IV

Electromagnetic Compatibility: EN61326-1

Operating temperature and Humidity:
0°C to 40°C, below 80% RH

Storage temperature:
-10°C to 60°C, below 80% RH

Batteries: Size AA batteries (IEC LR6) X 4pcs

Dimensions / Weight:
206(L) x 90(W) x 51(H) mm / Approx. 510g
(with holster & battery)

Accessories: Test lead, large jaw alligator clips, batteries, holster, carrying case, instruction manual

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