



600V AC/DC Digital Insulation Resistance Tester

KANE803

600V AC/DC Digital Insulation Resistance Tester



Functions

- Insulation Resistance 20.0GΩ
- 600V AC/DC
- Earth-bond Resistance 20.00KΩ
- Continuity

Features

- PI/ DAR test
- Hold
- Test lead holders in boot
- Zero reading
- Lock reading
- Compare reading
- Rotary dial selector
- Protective rubber boot
- Auto power off
- Backlit Display
- Worklight
- Remote probe
- 1-Year limited warranty



RoHS
Compliant

600V
CAT IV

1000V
CAT III

DESIGNED BY
MADE BY
KANE

Applications

- Test for capacitive leakage between conductors
- Test for insulation deterioration
- Build up of dirt or moisture in motor windings





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Includes

- Silicone test leads w/ alligator clips (red and black) (ATL57)
- Insulation test probe w/ alligator clips (red)
- Soft carrying case
- Batteries (4 AA)
- Manual

Specifications

AC/DC Voltage

RANGE	RESOLUTION	50HZ to 400Hz $\pm$ (% rdg + dgts)
600V	0.1V	$\pm$ (2% +3 dgts)

1. Bandwidth 45Hz to 400Hz
2. Input Impedance: 10M Ω (nominal), < 100pF
3. Overload Protection: AC 1000V rms or DC.

Earth-bond Resistance Measurement

RANGE	RESOLUTION	ACCURACY
20.00 Ω	0.01 Ω	$\pm$ (1.5% +3 dgts)
200.0 Ω	0.1 Ω	
2000 Ω	1 Ω	
20.00k Ω	0.01k Ω	

1. Accuracies apply from 0 to 100% of range
2. Open Circuit Test Voltage: > 4.0V, < 8V
3. Short Circuit Current: > 200.0 mA

Continuity

RANGE	RESOLUTION	AUDIBLE THRESHOLD
400.0 Ω	0.1 Ω	Appox. 40 Ω

Insulation Resistance

OUTPUT VOLTAGE	DISPLAY RANGE	RESOLUTION	TEST CURRENT	ACCURACY
100V (0% to +20%)	0.01 to 20.00M Ω	0.01M Ω	1mA @ 100k Ω	$\pm$ (3% +5dgts)
	20.0 to 100.0M Ω	0.1M Ω		
250V (0% to +20%)	0.01 to 20.00M Ω	0.01M Ω	1mA @ 250k Ω	$\pm$ (1.5% +5dgts)
	20.0 to 200.0M Ω	0.1M Ω		
500V (0% to +20%)	0.01 to 20.00M Ω	0.01M Ω	1mA @ 500k Ω	$\pm$ (1.5% +5dgts)
	20.0 to 200.0M Ω	0.1M Ω		
	200 to 500M Ω	1M Ω		
1000V (0% to +20%)	0.1 to 20.0M Ω	0.1M Ω	1mA @ 1M Ω	$\pm$ (1.5% +5dgts)
	20 to 2000M Ω	1M Ω		
	2.0 to 20.0G Ω	0.1G Ω		$\pm$ (10% +3dgts)

1. Measurement Range: 0.01M Ω to 20G Ω
2. Test Voltages: 100, 250, 500, 1000V
3. Test Voltage Accuracy: 0 to $\pm$ 20%
4. Short-Circuit Test Current: 1mA nominal
5. Auto Discharge: Discharge time <0.5 sec. for C = 1 μ F or less
6. Live Circuit Detection: Inhibit test if terminal voltage >30V prior to initialization of test
7. Maximum Capacitive Load: Operable with up to 1 μ F load

