



## 600V AC/DC Digital Insulation Resistance Tester

**Test Equipment Depot**  
1-800-517-8431

99 Washington Street  
Melrose, MA 02176  
Phone 781-665-1400  
Toll Free 1-800-517-8431

Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)



### 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

### Applications

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





### 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 + dgits)
600V	0.1V	$\pm$ (2% +3 dgts)

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

### Earth-bond Resistance Measurement

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

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 $\Omega$	0.1 $\Omega$	Approx. 40 $\Omega$

### Insulation Resistance

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

1. Measurement Range: 0.01M $\Omega$  to 20G $\Omega$
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 $\mu$ 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 $\mu$ F load