



## High Voltage Insulation Tester

**Product Code : MIR-505**

The high voltage insulation resistance tester is a handheld instrument designed primarily to make AC/DC voltage, resistance, and Continuity test / insulation resistance measurement.

### Features:

- ✓ Wide range measurements from 500V to 5000V and up to 60GΩ.
- ✓ Large 6000 count digital display with bargraph and backlight.
- ✓ Polarization index measurement (PI).
- ✓ Auto ranging & Timer measurement function.
- ✓ Indication of output voltage and discharge voltage.
- ✓ Auto-discharge function and voltage output warning function.
- ✓ Auto power off and battery check.
- ✓ MAX/MIN, PEAK, Relative value & Data hold functions for DC/AC voltage measurements.

### Specifications:

Insulation Resistance Measurement				
Rated Voltage	500V	1000V	2500V	5000V
Measuring Range	0.005 to 6.000MΩ	0.005 to 6.000MΩ	0.05 to 60.00MΩ	0.05 to 60.00MΩ
	6.01 to 60.00MΩ	6.01 to 60.00MΩ	60.1 to 600.0MΩ	60.1 to 600.0MΩ
	60.1 to 600.0MΩ	60.1 to 600.0MΩ	0.61 to 6.00GΩ	0.61 to 6.00GΩ
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Open Circuit Voltage	DC 500V +20%, -0%	DC 1000V +20%, -0%	DC 2500V +20%, -0%	DC 5000V +20%, -0%
Rated Current	1 to 1.2mA (at 0.5MΩ load)	1 to 1.2mA (at 1MΩ load)	1 to 1.2mA (at 2.5MΩ load)	1 to 1.2mA (at 5MΩ load, Recommended use of Power Adaptor)
Short-Circuit Current	Approx. 1mA			
Accuracy	±2.5%reading±15digits (at 0.005 to 600.0MΩ) ±3%reading±15digits (at 0.61 to 6.00GΩ) ±4%reading±15digits (at 6.1 to 60.0GΩ)			
Voltage Monitor Range	5 to 6000VDC (Resolution 1V); Accuracy: ±1.5%reading±5 digits Note: This monitor is used to check whether electric charge stored on the equipment under test is discharged or not. Measured voltage value displayed on the LCD is a reference value. Please be noted that the indicated value, when external AC or DC Voltage is applied to the instrument is not the correct value, is display ">30V".			

DC/AC Voltage Measurement			
	Range	Resolution	Accuracy
DC Voltage	0.5 to 600.0V	0.1V	$\pm 1.0\% \text{reading} \pm \text{digits}$
AC Voltage (40 to 400Hz)	0.5 to 600.0V	0.1V	$1.0\% \text{reading} \pm 5 \text{digits}$ (40 to 60Hz) $\pm 2.5\% \text{reading} \pm 10 \text{digits}$ (61 to 400Hz)

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