

## MIR-505

### High Voltage Insulation Tester

#### Overview:

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.



#### Pakage includes:

- 3 x One plug test lead to one alligator clip (Red,Black,Green)
- 1 x Two plug test lead to one alligator clip (Red)
- 9V battery
- Carrying hard case
- Instruction manual



#### Specifications:

Insulation Resistance Measurement				
Rated Voltage	500 V	1000 V	2500 V	5000 V
Measuring Range (Auto-Ranging)	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
	6.1 to 60.0GΩ	6.1 to 60.0GΩ	6.1 to 60.0GΩ	6.1 to 60.0GΩ
Open Circuit Voltage	DC 500V	DC 1000V	DC 2500V	DC 5000V
	+20%,-0%	+20%,-0%	+20%,-0%	+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 2.5MΩ load)
	(Recommended use of power Adaptor)			
Short-Circuit Current	Apprpx. 1mA			
Accuracy	±2.5%Reading ±15 Digits (at 0.005 to 600.0MΩ)			
	±3%Reading ±15 Digits (at 0.60 to 6.00GΩ)			
	±4%Reading ±15 Digits (at 6.1 to 60.0GΩ)			
DC/AC Voltage Measurement				
DC Voltage	0.5 to 600.0 V	0.1 V	± 1.0%reading ± digits	
AC Voltage (40 to 400Hz)	0.5 to 600.0V 0.1V	1.0 V	reading±5digits (40 to 60Hz)	
			±2.5%reading±10digits (61 to 400Hz)	
Low Resistance measurements & Continuty Check				
Resistance (Auto-Ranging)	0.12 to 600.0Ω	0.1Ω	1.5 %reading ±10 digits	
	601 to 6.00kΩ	0.001kΩ	±1.5 %reading ±15 digits	
Continuty Buzzer : ≤ 50Ω				
Short Circuit Current : ≥ 200mA				
Open Circuit Test Voltage : ≥ 4.5 V				