



# Insulation Analyzer

## TESTING APPLICATIONS

The Model PM15-4A can be operated as a conventional **Megohmmeter / Hipot** or in automatic mode to perform a **Dielectric Absorption Ratio Test**, **Polarization Index (PI) Test**, **Step Voltage Test**, **Capacitance test**, and **Insulation Resistance (IR)** test.

## SAFETY & DESIGN FEATURES

- Battery powered operation
- Automatic operation with microprocessor control
- Guard circuit for stray leakage current bypass
- User selectable output voltage in 10 V steps
- Audible safety warning
- Built-in printer
- Internal discharge device to discharge test object (Discharge up to 5.0  $\mu$ F, every 5 minutes)
- Adjustable test timer

## ENVIRONMENTAL CONDITIONS

- 10-40°C, indoor/outdoor in fair weather
- Humidity <95% non-condensing
- Altitude <3000 ft (1000 meters)

## Model PM15-4A

- Performs multiple testing functions
- High noise rejection for substation use
- Lightweight and ruggedly constructed for years of field use
- Large, easy to read VFD screen display

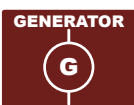
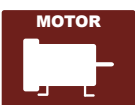
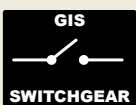
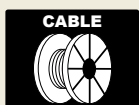


## DESCRIPTION

Periodic resistance testing of electrical windings can detect deterioration or contamination in the insulation which will shorten winding life. This testing is recommended to prevent major failures and to determine when corrective action should be taken.

The Model PM15-4A provides up to 15 kVDC and performs all necessary calculations to accurately determine the results.

Test results can be viewed on the VFD (Vacuum Fluorescent Display) or printed out via the built-in printer. The system is equipped with a USB communications port and an SD card for non-volatile storage of test results.





#### DIMENSIONS & WEIGHT

Length	16.5" (419 mm)
Width	15.25" (387 mm)
Height	11.25" (286 mm)
Weight	27 lbs. (12 kgs)

#### CABLES INCLUDED

Input Power 3 wire, removable	7' (2.3 m)
Output Voltage	10' (3 m)
Output Return	10' (3 m)
Output Ground	10' (3 m)

#### OPTIONS

Ground Stick

Discharge Stick

Infrared Remote Temperature Sensor (handheld)

INPUT	Voltage	100-240 VAC	or Internal Battery Power
	Frequency	50/60 Hz	
RESISTANCE MEASUREMENT RANGES		500 VDC @ 4.0 mA, 125 kΩ-250 GΩ 1000 VDC @ 4.0 mA, 250 kΩ-500 GΩ 2500 VDC @ 4.0 mA, 0.65 MΩ-2.5 TΩ 5000 VDC @ 4.0 mA, 1.25 MΩ-5 TΩ 10000 VDC @ 4.0 mA, 2.5 MΩ-10 TΩ 15000 VDC @ 4.0 mA, 3.75 MΩ-15 TΩ	
		Selectable in 10 V steps between 100-15000 V Negative Polarity, Positive Ground	
DIGITAL METERING	Voltmeter Range	0-15000 VDC	
	Currentmeter Range	0-4000 μA (auto ranging)	
ACCURACY	Voltage	±0.8% of Reading, ±0.2% of range, > 100 VDC	
	Current	±0.8% of Reading, ±0.2% of range,	
	Resistance	±5% of Reading up to 2 TΩ , ±20% of Reading up to 15 TΩ	

High Voltage • High Current • High Power Test Systems and Components

ISO 9001  
CERTIFIED



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