

# Insulation Resistance Multimeter

This insulation resistance multimeter measures insulation resistance, voltage, current, frequency, and resistance. It features a digital display, multiple range settings, and safety features such as fused current inputs and CAT III 600V rating.



## Overview

### Professional Insulation Multimeter

The EM580A is a versatile, high-precision instrument designed for comprehensive electrical testing. It combines standard multimeter functions like voltage, current, and frequency measurement with specialized insulation resistance testing capabilities. Built for durability and safety, it is an essential tool for technicians requiring reliable performance in a wide range of electrical maintenance and diagnostic tasks.

## Measurement Capabilities

### Voltage Ranges

Type	Range
DC Voltage	400mV - 1000V
AC Voltage	400mV - 750V

### Current Ranges

Type	Range
DC Current	40 - 400mA
AC Current	40 - 400mA

### Resistance & Frequency

<b>40 M<math>\Omega</math></b> Max Resistance	<b>100 kHz</b> Max Frequency
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## Insulation Testing

Insulation Resistance Range	0.1M $\Omega$ to 4000M $\Omega$
Selectable Test Voltages	250V, 500V, 1000V
Test Voltage Accuracy	+20%, -0%

## Features & Safety

### Safety Standards

CE Certified • CAT III 600V

### Additional Functions

- Data Hold
- Relative Measurement
- Max/Min Value Capture
- Continuous Test Lock
- Diode Test
- Continuity Buzzer (<30Ⓞ)