

POWERMASTER® 8121

Single Position Test Board



- ▶ Quiet Operation
- ▶ Independent Zero Insertion Force (ZIF) meter socket
- ▶ Accuracy socket supports all ANSI meter forms (except for 75 and 245)

The Powermetrix/ZERA Model 8121 Single Position Test Board offers an alternative to other expensive meter test boards. Testing a meter has never been more simple using the Zero Insertion Force (ZIF) socket, adjustable pickup arm, and integrated, three-phase source and reference standard. Designed with service and maintenance in mind, the Model 8121 has easy access for removal of the reference standard and source in one package. This means no more swapping boards or replacing fuses. The Model 8121 is operated using Windows based software (PRM) that is easy to use for manual and automated test sequences.



SAFETY FIRST, SIMPLICITY ALWAYS

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Direct Inputs:

- **AC Current:**
 - 3 Inputs: 1mA to 50A
 - Measurement Accuracy:
 - 10mA to 50A: <0.02%
 - 5mA to 10mA: <0.2%
- **AC Voltage:**
 - 3 Inputs: 5mV to 500V AC
 - Measurement Accuracy:
 - 30V to 500V: <0.02%

Other:

- **Power Supply:** 85-265V, 45-65Hz; internally fused, 550VA Max
- **Humidity:** 0 % to 95 %, non-condensing
- **Operational Range:** 14° to 113°F (-10° to 45°C)
- **Dimensions:** (W x H x D): 22" x 18.5" x 18"
- **2-Year Warranty**

*Specifications subject to change

Power & Energy Measurement

- **W, Whr, VAR, VARhr, VA, VAhr**
 - 30V to 500V, 10mA to 50A: <0.04%

3 Phase Current and Voltage Source

- **Voltage Output Range:** 20-500V
- **Current Output Range:** 10mA – 50A
- **Frequency:** 50 or 60Hz, fundamental
- **Voltage and Current Distortion:** <0.5% THD

System Connectivity:

- (1) Meter pulse input
- (1) Calibration pulse output
- (2) Convenience Power Plugs (120V AC)
- USB to PC

FEATURES

- Microsoft Express SQL database supports user administration and login rights
- Software supports handheld scan with AEP bar code standard
- Preprogrammed or customizable test templates, manual or automatic
- Verification of the test board using an external reference standard
- Flat file (.csv) export of test results
- Customization, including ready-made formats for some current utility applications



PowerMaster® Field



PowerMaster® Lab

Control software (PRM) is fully integrated with the entire PowerMaster® product line, both field and lab