

# POWERMASTER<sup>®</sup> 3 SERIES

Ultra Compact Three Phase Analyzing Reference Standard



- ▶ Protect Revenue
- ▶ Diagnose Metering Site Errors
- ▶ Compact Handheld Design - Only 3.5 lbs (1.6kg)



**POWERMETRIX**

Powermetrix is pleased to introduce a revolutionary handheld field testing device for the electric utility industry. The PowerMaster<sup>®</sup> 3 Series is an ultra compact field instrument with a true 3-phase analyzing reference standard that performs various metering site accuracy tests. The PowerMaster<sup>®</sup> 3 Series operates under actual customer load conditions so a true representation of site accuracy can be verified. Meter testing, CT/PT ratio testing, CT/PT burden measurement, register/demand testing and wiring verification are all easily performed with the 3 Series. With many advanced features, the PowerMaster<sup>®</sup> 3 Series is revolutionizing field testing.

**RAISING THE STANDARD**

# POWERMASTER<sup>®</sup> 3 SERIES

## Ultra Compact Three Phase Analyzing Reference Standard

### Direct Inputs

**AC Current:**

3 Inputs. 100mA to 20A RMS

**AC Voltage:**

3 Inputs, 46 to 600V RMS

**Aux. Power:** 1 Input, 120 to 240VAC

### Probe Inputs

Two sets of 3 inputs (6 inputs total)

Resolution and range determined by probe

All probes are calibrated independently of 3 Series

### System Connectivity

**Pulse Inputs:** 2 (meter pulse input, standard input)

**Pulse Outputs:** 1 (standard output)

**USB to PC Port:** 1 (connectivity to PC)

**USB Ports:** 2 (peripheral devices)

**RS232 Port:** 1 (legacy devices)

### Other

**Display Resolution:** 640 x 480, full color transmissive  
VGA, LED Backlit

**Display Size:** 5.7 in

**Operating Temperature:** -20°C to 50°C (-4°F to 122°F)

**Storage Temperature:** -30°C to 60°C (-22°F to 140°F)

**Humidity:** 0 to 95% non-condensing

**Internal Battery:** 10.8V Li-Ion rechargeable, 3100mAh

**Dimensions:** 11.6in x 6.2in x 2.0in (295mm x 157mm x 51mm)

**Weight:** (Not including cables) 3.5lbs (1.6kg)

### Warranty

2 Years

### Safety

**Isolation Protection:** IEC 61010-1 :2010

**Measurement Category:** CAT IV 600V

**Degree of Protection:** IP-40

### Measurements

**Energy:**

Wh, VARh, VAh

+/- 0.05% Accuracy (direct current channels)

+/- 0.10% Accuracy (probe channels)

**Power:**

Watt, VAR, VA

+/- 0.05% Accuracy (direct current channels)

+/- 0.10% Accuracy (probe channels)

**Power Factor:** -1.00 to 1.00

**Harmonics:** Up to 50th harmonic (user selectable)

## FEATURES

- Three Phase Reference Standard
- CT and PT Ratio Testing
- CT and PT Burden Measurement
- Customer Load Meter Testing
- Register / Demand Testing
- Vector Diagrams
- Voltage and Current Waveforms
- Harmonic Analysis up to 50th
- Meter Site Manager Software

\* All information subject to change

**TEC**

TECHNOLOGY  
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