

POWERMASTER[®] 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[®] 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[®] 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[®] 3 Series is revolutionizing field testing.

RAISING THE STANDARD

POWERMASTER[®] 3 SERIES

Ultra Compact Three Phase Analyzing Reference Standard

Direct Inputs

AC Current:

3 Inputs, 100mA to 20A RMS (3302 Only)

AC Voltage:

3 Inputs, 46 to 600V RMS

Aux. Power: 1 Input, 120 to 240VAC

Probe Inputs

Two sets of three inputs

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: 11.1V Li-Ion rechargeable, 2600 mAh

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

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

Warranty: 1 Year

Safety

Isolation Protection: IEC 61010-1 :2002

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

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