### **Technical Specifications**

#### **DIRECT INPUTS**

AC Current: 3 Inputs, 0 to 20A

1 uA Resolution

AC Voltage: 4 Inputs, 30 to 600V

1 <sub>4</sub>V Resolution

Aux. Power: 1 Input, 100 to 530VAC

PROBE INPUTS Two sets of three inputs

Resolution and range determined by probe

#### MEASUREMENTS

Energy: Wh, VARh, VAh ± 0.04% Accuracy

Power: Watt, VAR, VA ± 0.04% Accuracy

Power Factor: -1.00 to 1.00

Harmonics: Up to 100th harmonic (user selectable)

#### **CURRENT SOURCE**

Current Output: 0.1A to 20A (5302)
Phase Adjustment: 0 to 360 degrees

#### SYSTEM CONNECTIVITY

Pulse Inputs: 3(meter pulse input, standard input, aux input)

Pulse Outputs: 2(standard output, sync output)

USB to PC Port: 1 (connectivity to PC)

USB Ports: 2(peripheral devices and barcode reader)

RS232 Port: 1(legacy devices)

Audio Port: 1 (microphone, headphones)

#### OTHER

Display Resolution: 640 x 480, full color transflective VGA

Display Size: 8.4 inches

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: 14V NiMH rechargeable

Dimensions: 21 in x 17 in x 8.5 in Weight: Not including cables

5300 29.4lbs (13.3kg) 5302 35.6lbs (16.1kg)

Warranty: 2 Years

All information subject to change.



A Division of Technology for Energy Corporation 10737 Lexington Drive Knoxville, TN 37932-3294 Phone: 865.218.5837 Toll Free: 877.966.5850 Fax: 865.675.1241 www.powermetrix.com



#### **Model Number Selector**

5300 3 Phase Reference Standard (0.04%)

Harmonic Analysis up to 100th

Wiring Verification

**Customer Load Meter Testing** 

**Demand Meter Testing** 

3 Phase Simultaneous CT Testing Meter Site Manager Software

+ 3 Phase 20Amp Current Source

#### **Contact Information**

Martin T. Hiatt, Sales and Marketing Manager martin.hiatt@powermetrix.com

Vernon White, Eastern Regional Sales Manager vernon.white@powermetrix.com

Scott Bucklew, Western Regional Sales Manager scott.bucklew@powermetix.com

#### **Customer Service**

Phone 865.218.5838 Toll Free 877.966.5851

# POWERNASTER®

# True Three Phase Analyzing Reference Standard with Internal Three Phase Current Source



- Protect Your Revenue
- Reduce Testing Time
- Built-In Error Detection

- Lightweight and Compact
- Easy to Use
- 2 Year Warranty

PowerMaster® is a top of the line field instrument with a true 3-phase analyzing reference standard with optional integrated current source. With an accuracy of ±0.04% in the field, the PowerMaster® 5 Series is more accurate than most lab standards, and 5 times more accurate than most meters. With the ability to measure all primary and secondary signals, the PowerMaster® can test all 3 phases for CT burden and ratio errors. It tests meters under customer load and/or generated load conditions. With many advanced features, the PowerMaster® is revolutionizing field testing!

www.POWERMETRIX.com
Creating Better Field Testing Solutions



# PowerMaster®

## Innovation and Value...A Perfect Combination!



## Other Features

2 USB Ports

Aux. Power up to 530VAC

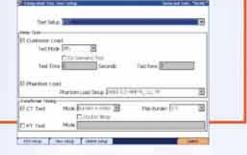
Full Color Transflective Display

### Completely Database Driven



Select Site

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## Other Features

Measured Ratio: 100.08

CT Test Setup

PowerMaste

Demand Testing

Meter Site Manager Software

Automatic Calibration Verification