

Technical Specifications

DIRECT INPUTS

AC Current: 3 Inputs, 0 to 20A or 0 to 50A (model dependent)
1 μ A Resolution
AC Voltage: 4 Inputs, 30 to 600V
1 μ 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
 \pm 0.02% Accuracy
Power: Watt, VAR, VA
 \pm 0.02% Accuracy
Power Factor: -1.00 to 1.00
Harmonics: Up to 100th harmonic (user selectable)

CURRENT SOURCE

Current Output: 0.1A to 20A (7302, 7332)
0.1A to 50A (7305, 7335)
Phase Adjustment: 0 to 360 degrees

VOLTAGE SOURCE

Voltage Output: 30V to 480V (7332, 7335)
30V to 600V (available upon request)
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: 4(peripheral devices and barcode reader)
Ethernet Port: 1(high speed connectivity including internet)
RS232 Port: 1(legacy devices)
SD Memory Port: 1(removable SD Memory support)
Audio Port: 1(microphone, headphones)

OTHER

Display Resolution: 640 x 480, full color transfective 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
7300 29.4lbs (13.3kg) 7302 35.6lbs (16.1kg)
7305 38.4lbs (17.4kg) 7332 42.2lbs (19.1kg)
7335 45.0lbs (20.4kg)
Warranty: 5 Years

* All information subject to change.
* See product manual for detailed specifications.



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Model Number Selector

- | | |
|-------------|--|
| 7300 | 3 Phase Reference Standard (0.02%)
Harmonic Analysis up to 100th
Wiring Verification
Customer Load Meter Testing
Demand Meter Testing
3 Phase Simultaneous CT Testing
3 Phase Simultaneous PT Testing
Transducer Testing
CT Demagnetization
Meter Site Manager Software |
| 7302 | + 3 Phase 20Amp Current Source |
| 7305 | + 3 Phase 50Amp Current Source |
| 7332 | + 3 Phase 20Amp Current Source
+ 3 Phase 480Volt Voltage Source |
| 7335 | + 3 Phase 50Amp Current Source
+ 3 Phase 480Volt Voltage Source |

Upgradeable

7 Series PowerMaster®

True Three Phase Analyzing Reference Standard with Internal Three Phase Current and Voltage Source



- **Protect Your Revenue**
 - **Reduce Testing Time**
 - **Test the Entire Meter Installation**
 - **Built-In Error Detection**
- **5 Year Warranty**
 - **Upgradeable Models**
 - **Lightweight and Compact**
 - **Easy to Use**

Powermetrix is pleased to introduce the most innovative field testing device in the electric utility industry. The PowerMaster® 7 Series is a top of the line field instrument with a true 3-phase analyzing reference standard with optional integrated current and voltage sources. With an accuracy of \pm 0.02% in the field, the 7 Series is more accurate than most lab standards, and 10 times more accurate than most meters. With the ability to measure all primary and secondary signals, the 7 Series 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® 7 Series is revolutionizing field testing!

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Creating Better Testing Solutions



