

POWERMASTER® MODEL 6618

The Safest 3-Phase Analyzing Reference Standard in the World



- ▶ International safety compliance: CE, CSA, CAT IV 600V, IEC 61010-1-2012, IEC 61010-2-030-2012
- ▶ Optional Remote Windows Tablet and Laptop Operation with Powermetrix Remote Manager
- ▶ ESD / EMI Protection
- ▶ Four language support



Powermetrix extends its revolutionary line of handheld three phase analyzers with the PowerMaster 6 Series, now with Powermetrix Remote Manager (PRM). PRM enables wireless control of essential and various metering site accuracy tests contained within the PowerMaster 6 Series. PRM utilizes industry standard Bluetooth for wireless communication from any Windows based system to the PowerMaster up to 100 feet away in any metering environment including high EMF environments / substations! The remote capability of PRM provides additional testing scenarios for improved field operation and safety. Confidently execute true 3-Phase testing analysis and essential meter site accuracy tests remotely via a Bluetooth enabled tablet interface or using the handheld package providing ultimate flexibility to elevate your site testing. The PowerMaster 6 series seamlessly automates and performs Meter testing, CT/PT ratio testing, burden measurement, register and demand testing, as well as wiring verification. Designed to and complying with ANSI and IEC specifications with multi-language support. The PowerMaster 6 Series leads the industry with the highest safety standards including CE, CSA, CAT IV 600V, IEC 61010-1-2012 for any environment across the globe.

RAISING THE STANDARD

POWERMATER[®] Model 6618

The Safest 3-Phase Analyzing Reference Standard in the World

Direct Inputs

AC Current

3 Inputs: 0.1 to 20A, between 60 and 480VRMS

Phase: ± 0.030 Degrees 0.1 to 0.5A; ± 0.010 degrees 0.5 to 20A

Resolution: 0.000001 A

AC Voltage

3 Inputs: Neutral Reference; 60 to 480VRMS

Phase: ± 0.003 Degrees

Resolution: 0.000001 V

AC Probe Channels

Channels: 6 inputs for probes

Input Range: 30 mV to 3.2 VRMS

Accuracy: 0.1% with ± 0.003 degrees + E probe

Probes Accepted:

- **Current:** 1 mV/A to 300 mV/A
- **Voltage:** 4.2mV/V

System Connectivity

- Meter Pulse Input: 1 input, <12 V
- Standard Pulse Input 1 input: max 1 MHz, <12 V
- Calibration Pulse Output: 1 MHz max, 5 V TTL
- USB Ports for Peripherals: 2 type A (for keyboard, mouse, memory devices, etc.) 1 Mini-B Host
- Ethernet Port: 1 (for high-speed connectivity)

Measurement

Energy:

- Whr, VARhr, VAhr
- $\pm 0.05\%$ Accuracy (direct)
- $\pm 0.10\%$ + E probe Accuracy (probes)

Power:

- W, VAR, VA
- $\pm 0.05\%$ Accuracy (direct)
- $\pm 0.10\%$ + E probe Accuracy (probes)

Power factor: -1.00 to 1.00

Harmonics: Up to 50th harmonic, user selectable (FFT)

Bluetooth Wireless Distances: (Data Transmission Quality)

Line of sight: 100 Feet / 30.5m

Inside a vehicle: 50 Feet / 15m

Inside a building: 50 Feet / 15m

Safety

- Safety Certification: IEC 61010-1-2012
- Measurement Category: CAT IV 600V
- Degree of Protection: IP-40
- CE Certification
- CSA Certification

Other

- Display Resolution: full-colour transmissive VGA (640 x 480)
- Display Size: 5.7 in
- Operating Temperature: -20°C to +50°C
- Humidity: 0% to 95% at 23°C, non-condensing
- Dimensions (W x H x D): 13.0" x 6.71" x 3.02"
- Weight: 4.2 lbs (not including cables and accessories)
- Case: ABS Overmold plastic
- 2-Year Warranty

Power

- Auxiliary power voltage input (charger)
- 100 to 240 VAC, 50/60 Hz
- 19V/3A Charging at 0°C to 40°C
- Internal Battery: Lithium-Ion 2600mAh battery pack
- Battery Life: (100% charge) 3-4 hrs
(charge time from 10% state approx. 2-3 hrs)

Language Support

- English
- French
- Spanish
- Portuguese

FEATURES

- Worldwide safety compliance standard support including CE, CSA, ANSI, IEC 61010-1-2012
- Optional wireless Bluetooth remote testing operation with Windows tablet or laptop
- Supported on Windows 10 / 11 with SQL Server 2019 Express. Operates on Windows 7 / 8 with SQL Server 2017 Express
- Worldwide testing capability (ANSI, IEC) with four language support
- CAT IV 600V Measurement Category

Official Partner



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