POWERMASTER® MODEL 6618

The Safest 3-Phase Analyzing Reference Standard in the World

CE CE CSA

CAT IV 600V SAFETY RATING

▶ *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

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 laptop or tablet. Report your meter site test results and close your meter site test call as soon as it happens with real-time wireless data transfer over Bluetooth. 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

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*
- *± 0.05 % Accuracy (direct)*
- *± 0.10 % + E probe Accuracy (probes)*

Power:
- *W, VAR, VA*
- *+/- 0.05 % Accuracy (direct)*
- *+/- 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 color transmissive VGA (640 x 480)*
- *Display size 5.7 inch*
- *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 Custom ABS plastic with Overmold*
- *2-Year Warranty*

Power:
- *Auxiliary power voltage input (charger)*
- *100 to 240 V ac, 50/60 Hz.*
- *Internal battery Lithium Ion 2600mAHr 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*