

Portable Power Analyzer

Get to the Heart of Electrical System Disturbances



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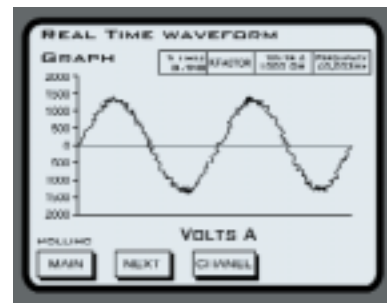
- EPM9650 meter in a Triplite lightweight case
- Advanced LCD touch screen display provides graphical interface to view metering data, waveforms and phasor diagrams
- Uninterruptible power supply for up to 12 minutes of battery backup power - requires 120VAC power supply
- Clamp-on split core CTs for quick and accurate current metering provide 1amp resolution above 40 amps
- Color coded, high-quality shielded patch cords with retractable shroud and insulated jaw grips provide quick and safe voltage measurements

GE's Portable Power Analyzer is a complete power quality measurement equipment kit, providing access to all voltage, current and power values through an intuitive touch-screen interface. The detailed power quality information it provides is the key to improving your facility's productivity. The Portable Power Analyzer can quickly root cause electrical disturbances leading to reduction in downtime and increased equipment life.

The Portable Power Analyzer includes a structurally reinforced 18" x 13" x 7" ABS plastic case, able to withstand a 7 ft. drop to concrete and 2000 lbs. of stacking load. Easy-to-use clamp-on split core current transformers are included for current measurement. Fuse-protected, color-coded jaw grips and high-quality shielded patch cords are provided for quick and safe voltage hook-ups. A compact, lightweight uninterruptible power supply is provided for easy system power-up and up to 12 minutes of back-up power in the event of a power outage.

LCD TOUCH SCREEN

Display and plot collected data
Aperture is 4.8" x 3.6" (12.1 x 9.1cm)



UNINTERRUPTIBLE POWER SUPPLY

Power supply with battery protected plug inputs

CLAMP-ON CTs

Split core CTs measure up to 400 amps (other amperage available on request)

COMPACT DESIGN

Integrated storage for CTs, wires and voltage clips (with velcro flap)

STATUS VIEW

Plexiglass window for viewing status LEDs on power meter

COMMUNICATION PORTS

Modem
RS-232
(RS-485 Optional)

-/+ INPUT PORTS FOR CTs

COLOR-CODED VOLTAGE INPUTS

COLOR-CODED WIRE LEADS

Easy-to-use voltage inputs & accompanying voltage clamps

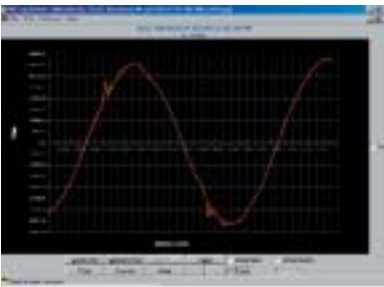


ENHANCED SOFTWARE CAPABILITY

GE's Portable Power Analyzer, combined with the optional GE Communicator software provides an advanced monitoring product uniquely designed for quick and effective power system analysis. The software provides a complete picture of power usage and quality in order to meet the changing metering needs of critical power application.

16 Bit Waveform & Fault Recorder

GE's Portable Power Meter records up to 512 samples per cycle for an event. It also records voltage and current with pre- and post-event analysis. Fault recording offers 8x full scale capture capability. All voltage and current readings are recorded using a 16 bit A/D converter. Both hardware and software triggers are available to activate a waveform capture of disturbances.

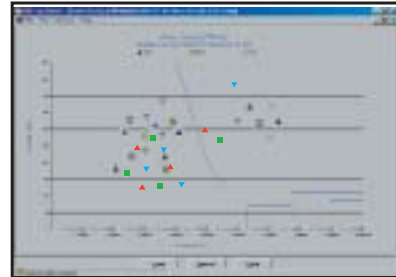


Performance Power - Quality Monitoring
(Shown with optional software for PC use)

- Real-Time & historical graphical trending
- Power Quality - Real-Time Waveforms and Harmonics
- Alarms & Limits
- Disturbance Logging
- Max. & Min. for Each Parameter

Independent CBEMA Log Plotting

GE's Portable Power Meter stores an independent CBEMA Log for magnitude and duration of voltage events. Users can quickly view total surges, total sags and average duration without having to retrieve waveform information.



(Shown with optional software for PC use)

Phasor Analysis

Phase angle measurements between the voltage and current channels allows for system efficiency and integrity analysis.



(Shown with optional software for PC use)

Sub-Cycle Transient Recorders

Sub-cycle transients are recorded on voltage and current waveforms. Monitoring switching noise from capacitors, static transfer switches, SCRs and many other "power quality harmful" devices can reduce the cause of intermittent and expensive downtime.

Measure and Record Harmonics to the 255th Order

The unit measures harmonics up to the 255th order for each voltage and current channel. Real-Time harmonics are resolved to the 128th order. Percent THD and K-Factor are also calculated. This high performance harmonic analysis allows users to conduct broadband power studies.

METERING FEATURES

- Power/Energy accuracy better than 0.04% (exclusive of CT/PTs)
- Harmonic measurements to the 127th order including %THD and K-Factor in real-time
- Advanced waveform recording and analysis - up to 512 samples per cycle resolution
- Four serial communications ports with standard Modbus Protocol
- Waveform scope mode on all channels
- Multiple historical, alarm and power quality logs
- Status Input Triggers - records waveform at time of status change. Input change and waveform recordings are time-stamped to 1msec resolution
- Additional Inputs - Neutral to Ground voltage calculations and measurements
- One LCD touch screen can monitor up to eight units
- Standard 2 MB memory - Optional 4 MB memory is also available
- Up to 256 points of expandable I/O
- Touch-Screen LCD for a graphical data presentation. 320 x 240 pixels, CCFL Backlight
- Control Power - 120VAC 50/60 Hz

Communication

- On Board Internal Modem
- 56K baud modem with RS-232 connection for communication with PC (optional RS-485).

Industry Leading Accu-Measure® Technology Delivers a Fast High Accuracy Measurements

PARAMETER	50 MILLISECOND *	1 SECOND	DISPLAY RESOLUTION
Voltage (L-N)	0.1%	0.01%	5 Digit
Voltage (L-L)	0.1%	0.01%	5 Digit
Current	0.1%	0.025%	5 Digit
Frequency	0.01 Hz	0.001 Hz	00.001 Hz
KW @ Unity PF	0.1%	0.04%	5 Digit
KW @ .5 PF	0.1%	0.08%	5 Digit
KVA	0.4%	0.06%	5 Digit
VAR	0.1%	0.06%	5 Digit
PF	0.1%	0.06%	3 Digit
Harmonics		0.1%	3 Digit
KW/Hours		0.04%	16 Digit
KVA/Hours		0.06%	16 Digit
KVAR/Hours		0.06%	16 Digit

* When high-speed readings are brought through the analog output modules, update time is at approx. 180 msec. for each two channels of analog signals. Accu-Measure is a registered trademark of Electro Industries/Gaugetech..

ORDERING INFORMATION

DESCRIPTION	CATALOG NUMBERS
Portable Power Analyzer includes: Portable enclosure, EPM9650Q* meter with the RS-232 & modem, LCD display, UPS back-up, ABS plastic case, assortment of voltage probes and grips (multi-color), and clamp-on CTs (400 amps)	PLPQPORT
Optional: GE Communicator (single user license) Ethernet no modem 4 MB memory option	PL9000NCM100000 PLPQPORTE PLP4PORT4

* For more information see DET-301A (EPM 9000 Series)

CONTACT INFORMATION

For the nearest GE Industrial Systems sales office, visit us at www.gepowerleader.com

Click on "Buy". Click on "Where To Buy". Select geographic location. Enter zip code, select appropriate market, and choose Energy Management from the "Select a Product" drop-down menu.



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