Three Phase Power Quality Analyzer
PowerPad™ Model 3945

SPECIFICATIONS

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| Input Voltage | Phase to phase: 0 to 600V TRMS
Phase to neutral: 0 to 480V TRMS |
| Input Current (depending on sensor) | MN clamp: 0 to 200A
SR clamp: 0 to 1000A
AmpFlex™: 0 to 6500A |
| Sampling Frequency | 256 samples/cycle |
| Power Source | 9.6V NiMH rechargeable battery pack
AC: 110 to 230 VAC (50/60 Hz) |
| Battery Life | 10 hrs |
| Display | Color LCD 320 x 240 |
| Dimensions | 7.09 x 9.46 x 2.17” (180 x 240 x 55mm) |
| Weight | 3.3 lbs (1.5kg) with battery |
| Safety Rating | EN 61010, 600V, Cat. III |
| Pollution Level | 2 |

➤ True Single and Three Phase measurements
➤ Real Time color display of waveforms including transients
➤ Easy on-screen graphics for setup
➤ True RMS Voltage and Current (600V, Cat III, 3000A)
➤ Display Voltage, Current and Power Harmonics to 50th Order, including direction, in real time
➤ Phasor Diagram Display
➤ Peak Voltage and Current
➤ Nominal Frequency from 40 to 70Hz
➤ VA, Var and W per phase and Total
➤ kWh, VArh and kVWh
➤ Neutral current
➤ Crest Factors for Current and Voltage
➤ K-factor for Transformer
➤ Power Factor, Displacement PF and Tangent
➤ Captures up to 50 transients
➤ Short-term Flicker and Voltage
➤ Phase unbalance (Current and Voltage)
➤ Harmonic Distortion (Total and Individual)
➤ Alarms, Surge and Sags
➤ Recording, date and characteristic of disturbances
➤ Immediate printout of the screen to a printer
➤ Screen Snapshot Function, captures waveforms
➤ Optically isolated RS-232 communication
➤ Includes DataView® Professional software to configure instrument, run tests and generate reports

Choose from a variety of current probe options

- SR193 probes (1000A)
- AmpFlex™193 probes (6500A)
- MN93 probes (200A) or MN193 probes (5A/100A)

PowerPad™ Model 3945 w/MN93 includes meter, set of three MN93 probes (200A), four 10 ft color-coded voltage leads, four color-coded alligator clips, RS-232 DB9F optical cable, NiMH battery, US 120V power cord, DataView® Professional software, carrying bag and user manual.
Large Color Display!

- Configuration
- Harmonics Mode
- Power/Energy Mode
- Phasor Diagram
- Recording Mode
- Transient Mode

- Display and analyze real time data on your PC
- Configure all PowerPad™ functions and parameters from your PC
- Customize frames, templates and reports to your exact needs
- Create and store a complete library of configurations that can be uploaded to the PowerPad™ as needed
- Zoom in and out and pan through sections of the graph to analyze the data
- Display waveforms, trend graphs, harmonic spectrums, text summaries, transients and event logs
- Print reports using standard or custom templates you design

Minimum System Requirements:
- Windows® 95/98/2000/ME/XP or Windows® NT 4.0
- 32MB of RAM (128MB recommended)
- 35MB of Hard Disk Space (200MB recommended)
- CD Rom drive

CATALOG NO. DESCRIPTION

2130.75 PowerPad™ Model 3945 w/MN93 (200A) $3,695.00
2130.76 PowerPad™ Model 3945 w/SR193 (1000A) $3,795.00
2130.77 PowerPad™ Model 3945 w/24" 6500A AmpFlex™ Model 193-24 $3,995.00
2130.78 PowerPad™ Model 3945 w/36" 6500A AmpFlex™ Model 193-36 $4,195.00

Accessories (Optional)

2140.09 Set of three color-coded MN93 (200A) Probes $419.00
2140.10 Set of three color-coded SR193 (1000A) Probes $659.00
2140.11 Set of three color-coded 24" 6500A AmpFlex™ Sensors – Model 193-24 $659.00
2140.12 Set of three color-coded 36" 6500A AmpFlex™ Sensors – Model 193-36 $959.00
2140.13 Set of three color-coded MR193 (1000Aac/1400Adc) Probes $769.00
2140.14 Set of three color-coded MN193 (5A/100A) Probes $519.00
2140.17 5A Adaptor box $695.00

Call the AEMC® Instruments Technical Assistance Hotline for immediate consultation with an applications engineer: (800) 343-1391
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