

# POWER QUALITY / ENERGY ANALYZERS, METERS & LOGGERS

## PEL 110 SERIES



### MODEL PEL 113

**Effortless Energy Logging for  
Smarter Power Management!**



**Recordings Covering  
Several Months!**

**5x Faster!  
(Than the PEL 103)**



**DataView®  
DataViewSync™**



SCAN TO  
LEARN  
MORE

### FEATURES

- Simple-to-use, single-, dual- (*split-phase*) and three-phase (Y, Δ) power & energy loggers
- 3 voltage and 3 current channels with auto recognition of connected current sensors and probes
- 32 alarms can be configured to receive alerts and reports through email
- Multiple connectivity options supports USB, Ethernet, Wi-Fi access points (up to 5 clients), and remote access with DataViewSync™
- Remote access and real-time monitoring allows users to view and analyze power consumption from anywhere
- Secure SMTP e-mail transmission via DataViewSync™
- Wide range of applications: predictive & preventive maintenance, energy audits, cost optimization and IT infrastructure maintenance
- Supports SD cards up to 32 GB
- Can be powered directly from the phases with PEL Adapter (*sold separately*)
- Compact and magnetized for mounting inside power panels
- Includes FREE DataView® software for configuring, data retrieval, real-time measurement display, data analysis and report generation

### PRODUCT INCLUDES

**PEL 113 (WITHOUT SENSORS)  
CAT. #2137.64 (SHOWN)**

Small classic tool bag, (4) 10 ft black test leads in reeling box, (4) black alligator clips, set of (12) color-coded input ID markers, 8 GB SD-card (*installed*), USB SD-card reader, USB type A to type B cable, 115 V power cord, NiMH AAA 8.4 V battery (*installed*), quick start guide, and USB drive with DataView® software and user manual.

**PEL 113 (WITH SENSORS)  
CAT. #2137.54**

Small classic tool bag, (3) MiniFlex® MA193-10-BK Sensors, (4) 10 ft black test leads in reeling box, (4) black alligator clips, set of (12) color-coded input ID markers, 8 GB SD-card (*installed*), USB SD-card reader, USB type A to type B cable, 115 V power cord, NiMH AAA 8.4 V battery (*installed*), quick start guide, and USB drive with DataView® software and user manual.



### ACCESSORIES

**CAT. #2137.90**

Adapter – 600 V CAT III Power to Phase Adapter for use with Models PEL 112 & PEL 113

**\*ADAPTER SOLD SEPARATELY**

**SEE PAGE 130-131 FOR MORE  
OPTIONAL ACCESSORIES**



#### CAT. # DESCRIPTION

|         |                                                              |
|---------|--------------------------------------------------------------|
| 2137.64 | Power & Energy Logger Model PEL 113 (w/LCD, No Sensors)      |
| 2137.54 | Power & Energy Logger Model PEL 113 (w/LCD, w/3 MA193-10-BK) |



# POWER QUALITY / ENERGY ANALYZERS, METERS & LOGGERS

| MODEL                                                | PEL 112 & PEL 113                                             |                                                   | PEL 115                                  |                                                   |
|------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------|------------------------------------------|---------------------------------------------------|
| Description                                          | Meter Only                                                    | Meter with<br>MA193-10-BK Sensors                 | Meter Only                               | Meter with<br>196A-24-BK Sensors                  |
| GENERAL                                              |                                                               |                                                   |                                          |                                                   |
| Number of Voltage Channels                           | 3- (V1, V2, V3)                                               |                                                   | 4- (V1, V2, V3, Earth/Ground)            |                                                   |
| Number of Current Channels                           | 3 - (L1, L2, L3)                                              |                                                   | 4 - (L1, L2, L3, Earth/Ground)           |                                                   |
| Distribution Systems                                 | Single-/Split-/3-Phase, DC, etc. (17 choices)                 |                                                   |                                          |                                                   |
| MEASUREMENTS                                         |                                                               |                                                   |                                          |                                                   |
| Voltage Range - Phase-Neutral (V) <sup>2</sup>       | (10 to 1000) V <sub>AC/DC</sub> <sup>2</sup>                  |                                                   |                                          |                                                   |
| Voltage Range - Phase-Phase (U) <sup>2</sup>         | (10 to 1000) V <sub>AC</sub>                                  |                                                   | (17 to 1000) V <sub>AC</sub>             |                                                   |
| Typical Accuracy - Voltage                           | ±0.2 % R ±0.2 V                                               |                                                   |                                          |                                                   |
| Current Range AC                                     | 5 mA to 12 kA <sub>AC</sub> <sup>3</sup>                      | 200 mA to 12 kA <sub>AC</sub>                     | 5 mA to 12 kA <sub>AC</sub> <sup>3</sup> | 200 mA to 12 kA <sub>AC</sub>                     |
| Current Range DC                                     | 50 mA to 1300 A <sub>DC</sub> <sup>3</sup>                    |                                                   |                                          |                                                   |
| Typical Accuracy - Current (Meter Only) <sup>4</sup> | ±0.4 % R ± 0.04 % I <sub>nom</sub>                            | –                                                 | ±0.4 % R ± 0.04 % I <sub>nom</sub>       | –                                                 |
| Network Frequencies                                  | DC/50/60/400 Hz (VFD/PWM not available)                       |                                                   |                                          |                                                   |
| CALCULATED MEASUREMENTS                              |                                                               |                                                   |                                          |                                                   |
| Voltage Ratios                                       | up to 650 kV                                                  |                                                   |                                          |                                                   |
| Current Ratios                                       | Up to 25 kA<br>(MN193 probe, 5 A range)                       | Not available with AmpFlex®/<br>MiniFlex® sensors | Up to 25 kA<br>(MN193 probe, 5 A range)  | Not available with AmpFlex®/<br>MiniFlex® sensors |
| Power (P, P+ , Punb, Qf, N, D, S)                    | up to 10 GW/Gvar/GVA <sup>5</sup>                             |                                                   |                                          |                                                   |
| Energy                                               | up to 4 EWh/EVAh/Evarh <sup>5</sup>                           |                                                   |                                          |                                                   |
| Phase                                                | cos ϕ, tan ϕ, PF                                              |                                                   |                                          |                                                   |
| Phase Order / Phasor Diagram                         | Yes/Yes (with DataView® or App for Android™)                  |                                                   |                                          |                                                   |
| Harmonics                                            | THD for V, A and Harmonics to 50 <sup>th</sup> order for V, A |                                                   |                                          |                                                   |
| RECORDING                                            |                                                               |                                                   |                                          |                                                   |
| Aggregations (Fixed)                                 | 200 ms/1 s trends                                             |                                                   |                                          |                                                   |
| Aggregations (Selectable)                            | (1 to 60) min (12 choices)                                    |                                                   |                                          |                                                   |
| Min/Max Values                                       | Yes                                                           |                                                   |                                          |                                                   |
| Alarms                                               | up to 32 separate alarms                                      |                                                   |                                          |                                                   |
| Emailed Reports                                      | Yes, alarms and periodical Min/Max data through DataViewSync® |                                                   |                                          |                                                   |
| Storage Media                                        | SD Card (32 GB Max)                                           |                                                   |                                          |                                                   |
| Recording Length                                     | Several weeks to years (Configuration dependent)              |                                                   |                                          |                                                   |
| OTHER FEATURES                                       |                                                               |                                                   |                                          |                                                   |
| Communication                                        | USB, Ethernet/Wi-Fi LAN, Ethernet/Wi-Fi Direct, DataViewSync® |                                                   |                                          |                                                   |
| Software                                             | DataView® included, free App for Android™                     |                                                   |                                          |                                                   |
| NEC Article 220.87 Load Study Compliant              | Yes, DataView® configuration button and report templates      |                                                   |                                          |                                                   |
| Mounting                                             | Embedded Magnets in Case                                      |                                                   | Pole Mounting Kit (Cat. #2137.82)        |                                                   |
| Powered from Phase                                   | Phase Power Adapter (Cat. #2137.90)                           |                                                   | Yes                                      |                                                   |
| External Power Supply                                | 120 / 240 V Line Power Cord                                   |                                                   | Power Adapter                            |                                                   |
| SAFETY AND MECHANICAL                                |                                                               |                                                   |                                          |                                                   |
| Electrical Safety (IEC 61010)                        | 600 V CAT IV / 1000 V CAT III                                 |                                                   | 1000 V CAT IV                            |                                                   |
| Ingress Protection <sup>6</sup>                      | IP 54 / IP 20                                                 |                                                   | IP 67                                    |                                                   |
| Weight                                               | <2.2 lb (1 kg)                                                |                                                   | 7.5 lb (3.4 kg)                          |                                                   |

<sup>1</sup> Please see user manual for complete technical specifications.

<sup>2</sup> 400 Hz - Phase-Neutral-V (5 to 600) V ; Phase-Phase-U (10 to 600) V.

<sup>3</sup> Probe dependent.

<sup>4</sup> Accuracy of connected current probe must be added to this value

<sup>5</sup> (G = Giga =10<sup>9</sup>), (E = Exa= 10<sup>18</sup>)

<sup>6</sup> (PEL 115) IP 67 with included waterproof accessories;

(PEL 112/113) IP 54 instrument disconnected (de-energized) / IP 20 instrument connected (energized and operating)

# POWER QUALITY / ENERGY ANALYZERS, METERS & LOGGERS

## OPTIONAL ACCESSORIES

| MODEL                                                                                                                                                                                                  | MAX<br>CONDUCTOR<br>SIZE               | ACCURACY<br>(TYPICAL) | TYPICAL<br>ERROR ON $\Phi$ AT<br>(50 / 60) HZ | CURRENT RANGE                                              | USED WITH<br>MODEL                                                      | CAT. #                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|-----------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------|
| <b>MiniFlex® Model MA193-10-BK* &amp;<br/>MiniFlex® Model MA193-14-BK* &amp;<br/>MiniFlex® Model MA194-24-BK*</b><br> | 2.75 in<br>(70 mm)<br>(10 in sensor)   | ± 1 %                 | 0.5 °                                         | 100 mA to 12,000 A <sub>AC</sub> <sup>(1)</sup>            | PEL 52<br>PEL 112<br>PEL 113<br>PEL 115<br>8333<br>8336<br>8436<br>8345 | 2140.48<br>(10 in sensor) |
|                                                                                                                                                                                                        | 3.94 in<br>(100 mm)<br>(14 in sensor)  |                       |                                               |                                                            |                                                                         | 2140.50<br>(14 in sensor) |
|                                                                                                                                                                                                        | 7.64 in<br>(194 mm)<br>(24 in sensor)  |                       |                                               |                                                            |                                                                         | 2140.80<br>(24 in sensor) |
| <b>10, 14 &amp; 24 in Sensor</b><br>                                                                                  |                                        |                       |                                               |                                                            |                                                                         |                           |
| <b>AC/DC Current Probe Model MR193-BK</b><br>                                                                        | 1.6 in<br>(41 mm)                      | ± 2.5 %               | -0.80 °                                       | (1 to 1000) A <sub>AC</sub><br>(1 to 1300) A <sub>DC</sub> | PEL 112<br>PEL 113<br>PEL 115<br>8333<br>8336<br>8436<br>8345           | 2140.28                   |
| <b>AC Current Probe Model MN93-BK</b><br>                                                                           | 0.78 in<br>(20 mm)                     | ± 1 %                 | 0.8 °                                         | (0.5 to 240) A <sub>AC</sub>                               | PEL 52<br>PEL 112<br>PEL 113<br>PEL 115<br>8333<br>8336<br>8436<br>8345 | 2140.32                   |
| <b>AC Current Probe Model SR193-BK</b><br>                                                                          | 2.05 in<br>(52 mm)                     | ± 0.3 %               | 0.2 °                                         | (1 to 1200) A <sub>AC</sub>                                | PEL 52<br>PEL 112<br>PEL 113<br>PEL 115<br>8333<br>8336<br>8436<br>8345 | 2140.33                   |
| <b>AmpFlex® Sensor 24 in<br/>Model 193-24-BK*</b><br>                                                               | 7.64 in<br>(194 mm)<br>(24 in sensor)  | ± 1 %                 | 0.5 °                                         | 100 mA to 12,000 A <sub>AC</sub> <sup>(1)</sup>            | PEL 52<br>PEL 112<br>PEL 113<br>PEL 115<br>8333<br>8336<br>8436<br>8345 | 2140.34                   |
| <b>AmpFlex® Sensor 36 in<br/>Model 193-36-BK*</b><br>                                                               | 11.64 in<br>(291 mm)<br>(36 in sensor) | ± 1 %                 | 0.5 °                                         | 100 mA to 12,000 A <sub>AC</sub> <sup>(1)</sup>            | PEL 52<br>PEL 112<br>PEL 113<br>PEL 115<br>8333<br>8336<br>8436<br>8345 | 2140.35                   |

# POWER QUALITY / ENERGY ANALYZERS, METERS & LOGGERS OPTIONAL ACCESSORIES

| MODEL                                                                                                                                                        | MAX<br>CONDUCTOR<br>SIZE              | ACCURACY<br>(TYPICAL) | TYPICAL<br>ERROR ON $\phi$ AT<br>(50 / 60) HZ | CURRENT RANGE                       |                      | USED WITH<br>MODEL                                                      | CAT. #  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|-----------------------------------------------|-------------------------------------|----------------------|-------------------------------------------------------------------------|---------|
| <b>AC Current Probe Model MN193-BK</b><br>                                  | 0.78 in<br>(20 mm)                    | $\pm 1\%$             | 0.75 °                                        | 100 A                               | 200 mA to<br>120 Aac | PEL 52<br>PEL 112<br>PEL 113<br>PEL 115<br>8333<br>8336<br>8436<br>8345 | 2140.36 |
|                                                                                                                                                              |                                       |                       | 1.7 °                                         | 5 A                                 | 5 mA to<br>6 Aac     |                                                                         |         |
| <b>AmpFlex® Sensor 24 in<br/>Model 196A-24-BK* (Waterproof IP67)</b><br>    | 7.64 in<br>(194 mm)<br>(24 in sensor) | $\pm 1\%$             | 0 °                                           | 100 mA to 12,000 Aac <sup>(1)</sup> |                      | PEL 115<br>8436                                                         | 2140.75 |
| <b>MiniFlex® Sensor 14 in<br/>Model MA196-14-BK* (Waterproof IP67)</b><br> | 3.9 in<br>(99 mm)<br>(14 in sensor)   | $\pm 1\%$             | 0 °                                           | 100 mA to 12,000 Aac <sup>(1)</sup> |                      | PEL 115<br>8436                                                         | 2140.79 |
| <b>AC Current Probe Model MN94</b><br>                                    | 0.25 in<br>(7 mm)                     | $\pm 0.2\%$           | 0.1 °                                         | 50 mA to 200 Aac                    |                      | PEL 52<br>8345                                                          | 2140.81 |
| <b>AC / DC Current Probe Model E94</b><br>                                | .464 in<br>(11.8 mm)                  | $\pm 3\%$             | 1.5 °                                         | 10 A                                | 100 mA to<br>10 Aac  | PEL 112<br>PEL 113<br>PEL 115<br>8345                                   | 2140.82 |
|                                                                                                                                                              |                                       | $\pm 4\%$             | 1 °                                           | 100 A                               | 500 mA to<br>100 Aac |                                                                         |         |

\* Maximum current reduced by a factor of 2 for 400 Hz fundamental frequency.

All current sensors can be used with Models PEL 115 and 8436. However, only the MA196-14-BK and 196A-24-BK flexible sensors are waterproof.

(1) Current range may be limited by sensor size or meter type.

Consult factory for NIST Calibration prices.

# POWER QUALITY / ENERGY ANALYZERS, METERS & LOGGERS SELECTION CHART

| MODEL   | CAT. #  | INPUT<br>TERMINALS | CHANNELS  | RMS<br>VOLTAGE<br>MAX<br>PHASE-TO-<br>NEUTRAL | RMS<br>VOLTAGE<br>MAX<br>PHASE-TO-<br>PHASE | PEAK<br>VOLTAGE<br>MAX<br>PHASE-TO-<br>NEUTRAL | PEAK<br>VOLTAGE<br>MAX<br>PHASE-TO-<br>PHASE | DC<br>VOLTAGE<br>MAX | AC CURRENT<br>MAX (PROBE<br>DEPENDENT) | DC<br>CURRENT<br>MAX (PROBE<br>DEPENDENT) | RATIOS<br>VOLT | RATIOS<br>AMPERE |
|---------|---------|--------------------|-----------|-----------------------------------------------|---------------------------------------------|------------------------------------------------|----------------------------------------------|----------------------|----------------------------------------|-------------------------------------------|----------------|------------------|
| 8333    | 2136.10 | 4 V / 3 I          | 3 V / 4 I | 1000 V <sub>RMS</sub>                         | 2000 V <sub>RMS</sub>                       | 1414 V <sub>pk</sub>                           | 2828 V <sub>pk</sub>                         | 1200 V <sub>DC</sub> | 10,000 A <sub>AC</sub>                 | 1300 A <sub>DC</sub>                      |                | Yes              |
| 8336    | 2136.30 | 5 V / 4 I          | 4 V / 4 I | 1000 V <sub>RMS</sub>                         | 2000 V <sub>RMS</sub>                       | 1414 V <sub>pk</sub>                           | 2828 V <sub>pk</sub>                         | 1200 V <sub>DC</sub> | 10,000 A <sub>AC</sub>                 | 5000 A <sub>DC</sub>                      |                | Yes              |
| 8345    | 2136.35 | 5 V / 4 I          | 4 V / 4 I | 1000 V <sub>RMS</sub>                         | 2000 V <sub>RMS</sub>                       | 1414 V <sub>pk</sub>                           | 2828 V <sub>pk</sub>                         | 1200 V <sub>DC</sub> | 10,000 A <sub>AC</sub>                 | 5000 A <sub>DC</sub>                      |                | Yes              |
| 8436    | 2136.43 | 5 V / 4 I          | 4 V / 4 I | 1000 V <sub>RMS</sub>                         | 2000 V <sub>RMS</sub>                       | 1414 V <sub>pk</sub>                           | 2828 V <sub>pk</sub>                         | 1200 V <sub>DC</sub> | 10,000 A <sub>AC</sub>                 | 5000 A <sub>DC</sub>                      |                | Yes              |
| PEL 52  | 2137.71 | 2 V / 2 I          |           | 600 V <sub>RMS</sub>                          | 1200 V <sub>RMS</sub>                       | —                                              |                                              |                      | 3600 A <sub>AC</sub>                   | —                                         | No             | Yes              |
| PEL 112 | 2137.63 | 4 V / 3 I          | 3 V / 3 I | 1000 V <sub>RMS</sub>                         | 1700 V <sub>RMS</sub>                       | 1414 V <sub>pk</sub>                           | 2400 V <sub>pk</sub>                         | 1000 V <sub>DC</sub> | 12,000 A <sub>AC</sub>                 | 5000 A <sub>DC</sub>                      |                | Yes              |
| PEL 113 | 2137.64 | 4 V / 3 I          | 3 V / 3 I | 1000 V <sub>RMS</sub>                         | 1700 V <sub>RMS</sub>                       | 1414 V <sub>pk</sub>                           | 2400 V <sub>pk</sub>                         | 1000 V <sub>DC</sub> | 12,000 A <sub>AC</sub>                 | 5000 A <sub>DC</sub>                      |                | Yes              |
| PEL 115 | 2137.56 | 5 V / 4 I          | 4 V / 4 I | 1000 V <sub>RMS</sub>                         |                                             | 1414 V <sub>pk</sub>                           | 2400 V <sub>pk</sub>                         | 1000 V <sub>DC</sub> | 12,000 A <sub>AC</sub>                 | 5000 A <sub>DC</sub>                      |                | Yes              |

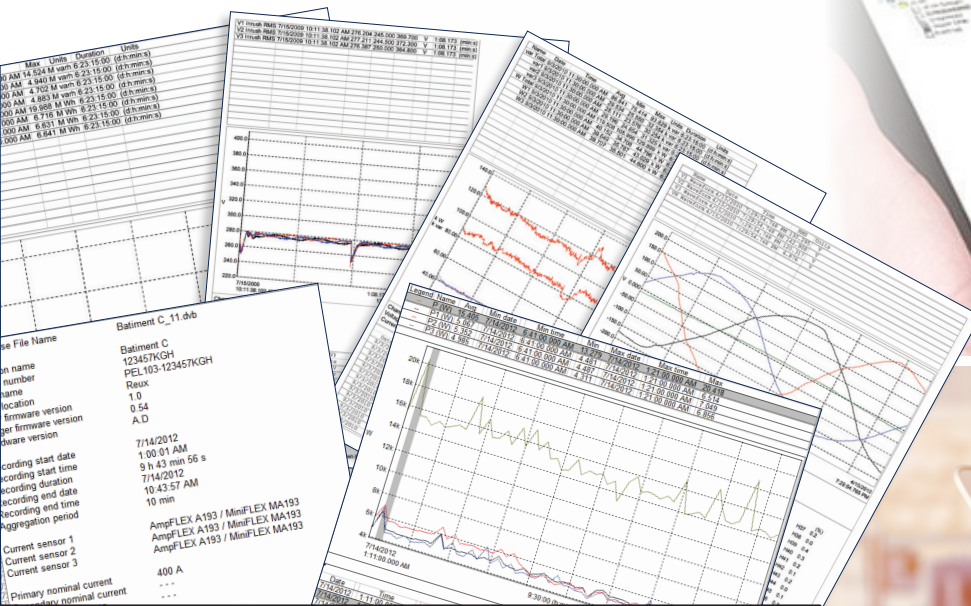
| MODEL   | CAT. #  | DISTRIBUTION<br>SYSTEMS                                                                                                                                                                                     | PHASE<br>ROTATION | WAVEFORM<br>MODE | TRANSIENT<br>MODE | TRUE INRUSH <sup>®</sup><br>MODE / TYPE /<br>DURATION | ALARM<br>MODE                                           | SNAPSHOT<br>MODE                  | HARMONIC MODE /<br>INTERHARMONIC<br>MODE                                                                               | TYPE LCD                                               | POWER<br>SOURCE                                                                      |
|---------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-------------------------------------------------------|---------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------|
| 8333    | 2136.10 | 1 P-2 W, 2 P-3 W,<br>3 P-3 W, 3 P-4 W                                                                                                                                                                       |                   | Yes              |                   | No                                                    | 10 types /<br>up to 2<br>active /<br>4662<br>recorded   | Yes (12)                          | Yes / No                                                                                                               | TFT - 5.7 in<br>diagonal<br>320 x 240<br>resolution    | External<br>adapter with<br>internal NiMH<br>battery pack                            |
| 8336    | 2136.30 | 1 P-2 W, 1 P-3 W, 2 P-2<br>W, 2 P-3 W, 2 P-4 W, 3<br>P-3 W, 3 P-4 W, 3 P-5 W                                                                                                                                |                   | Yes              |                   | Yes<br>(RMS+PEAK<br>& RMS) up to 1<br>& 10 min        | 40 types /<br>up to 7<br>active /<br>16,362<br>recorded | Yes (50)                          | Yes / No                                                                                                               | TFT - 5.7 in<br>diagonal<br>320 x 240<br>resolution    | External<br>adapter with<br>internal NiMH<br>battery pack                            |
| 8345    | 2136.35 | 1 P-2 W, 1 P-3 W, 2 P-2<br>W, 2 P-3 W, 2 P-4 W, 3<br>P-3 W, 3 P-4 W, 3 P-5 W                                                                                                                                |                   | Yes              |                   | Yes (RMS+PEAK<br>& RMS) up to 10<br>& 30 min          | 40 types /<br>20,000<br>w / email<br>notifications      | Yes<br>(no limit with<br>SD card) | DC to 127 <sup>th</sup> order;<br>< 3 % U <sub>din</sub> /<br>0 to 62 <sup>nd</sup> order;<br>< 0.5 % U <sub>din</sub> | 7 in color LCD<br>touch screen:<br>800 x 480<br>(WVGA) | External<br>adapter with<br>Li-ion battery<br>pack                                   |
| 8436    | 2136.43 | 1 P-2 W, 1 P-3 W, 2 P-2<br>W, 2 P-3 W, 2 P-4 W, 3<br>P-3 W, 3 P-4 W, 3 P-5 W                                                                                                                                |                   | Yes              |                   | Yes<br>(RMS+PEAK<br>& RMS) up to 1<br>& 10 min        | 40 types /<br>up to 7<br>active /<br>16,362<br>recorded | Yes (50)                          | Yes / No                                                                                                               | TFT - 5.7 in<br>diagonal<br>320 x 240<br>resolution    | Line Power<br>with internal<br>NiMH battery<br>pack                                  |
| PEL 52  | 2137.71 | 1 P-2 W, 2 P-3 W, 1<br>P-3 W                                                                                                                                                                                | Yes               |                  |                   | No                                                    |                                                         |                                   |                                                                                                                        | Monochrome<br>LCD                                      | Power phase<br>input with<br>internal NiMH<br>battery pack                           |
| PEL 112 | 2137.63 | 1 P-2 W, 1 P-3 W, 3 P-3<br>W D2, 3 P-3 W O2, 3 P-3<br>W Y2, 3 P-3 W D3, 3 P-3<br>W O3, 3 P-3 W Y, 3P-3<br>W DB, 3 P-4 W Y, 3 P-4<br>W YB, 3 P-4 W Y2 1/2,<br>3 P-4 W D, 3 P-4 WOD,<br>DC-2 W DC-3 W, DC-4 W | Yes               |                  |                   | No                                                    |                                                         |                                   | Yes / No                                                                                                               | None                                                   | Line Power<br>with internal<br>NiMH battery<br>pack                                  |
| PEL 113 | 2137.64 | 1 P-2 W, 1 P-3 W, 3 P-3<br>W D2, 3 P-3 W O2, 3 P-3<br>W Y2, 3 P-3 W D3, 3 P-3<br>W O3, 3 P-3 W Y, 3P-3<br>W DB, 3 P-4 W Y, 3 P-4<br>W YB, 3 P-4 W Y2 1/2,<br>3 P-4 W D, 3 P-4 WOD,<br>DC-2 W DC-3 W, DC-4 W | Yes               |                  |                   | No                                                    |                                                         |                                   | Yes / No                                                                                                               | Monochrome<br>LCD                                      | Line Power<br>with internal<br>NiMH battery<br>pack                                  |
| PEL 115 | 2137.56 | 1 P-2 W, 1 P-3 W, 3 P-3<br>W D2, 3 P-3 W O2, 3 P-3<br>W Y2, 3 P-3 W D3, 3 P-3<br>W O3, 3 P-3 W Y, 3P-3<br>W DB, 3 P-4 W Y, 3 P-4<br>W YB, 3 P-4 W Y2 1/2,<br>3 P-4 W D, 3 P-4 WOD,<br>DC-2 W DC-3 W, DC-4 W | Yes               |                  |                   | No                                                    |                                                         |                                   | Yes / No                                                                                                               | Monochrome<br>LCD                                      | Power<br>phase input<br>or external<br>adapter with<br>internal NiMH<br>battery pack |

# POWER QUALITY / ENERGY ANALYZERS, METERS & LOGGERS

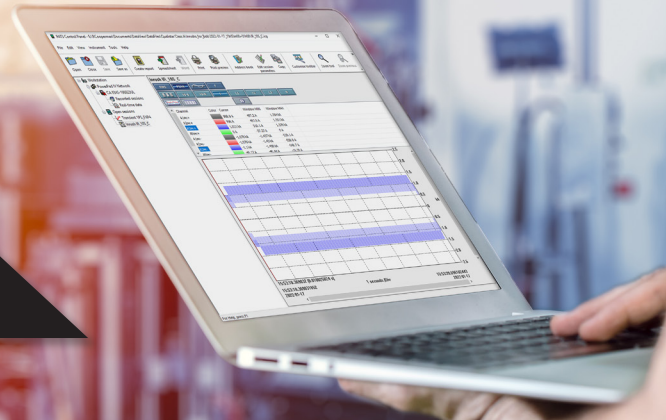
## DataView<sup>®</sup> Data Analysis and Reporting Software

### Configure all functions:

- Display and analyze real-time data on your PC
- Configure functions and parameters from your PC
- Customize views, templates and reports to your exact needs
- Create and store a complete library of configurations that can be uploaded as needed
- Zoom in and out and pan through sections of the graph to analyze the data
- Download, display and analyze recorded data
- Display waveforms, trend graphs, harmonic spectrums, text summaries, transients, event logs and stored alarms
- Print reports using standard or custom templates you design
- Free updates available on our website [www.aemc.com](http://www.aemc.com)



Reports can be displayed on a PC and printed. Each report includes all test results in a tabular and graphic format, as well as operator and test site information. Comments typed by the operator will also be included.

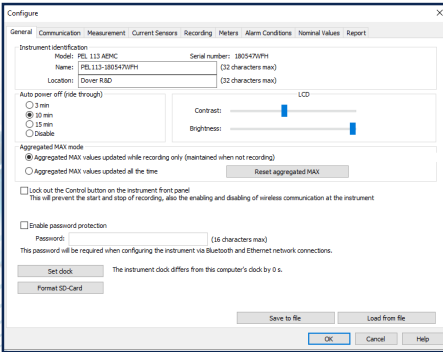


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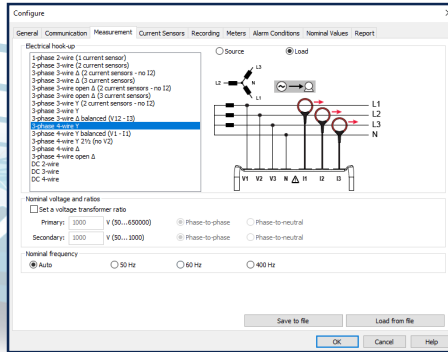
## DataView® Data Analysis and Reporting Software



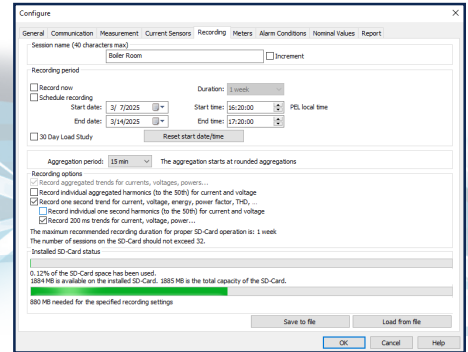
DataView® software, user manual and quick start guide are included in the USB Drive



Configure basic information regarding Auto Power OFF, instrument name and location, display contrast and brightness (*Models PEL 113 & PEL 115*), setting of the real-time clock and SD-card formatting is easily accomplished from the General tab.



The Measurement tab specifies the electrical distribution system, voltage ratios, and nominal frequency.

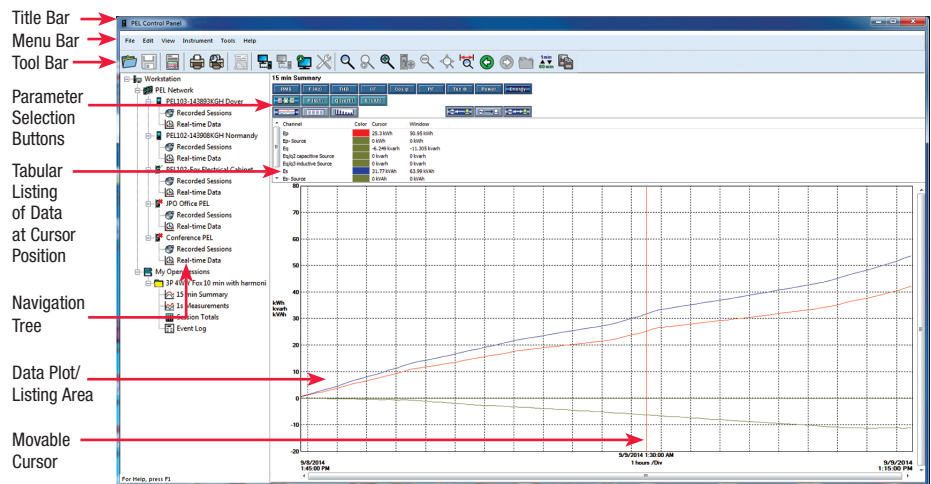


In the Recording tab, configure the instrument to measure (*and record*) over a user selectable recording period. Select demand intervals and view available memory for data storage.

## Typical DataView® Functional Digital & Graphical Display

### Control Panel Trend View

In the PEL Control Panel you will find all the necessary tools and selection buttons to review recorded data as trend plots or tabular lists.



**NEW!** Effortlessly Perform Load Study Analysis Meeting the NEC 220.87 Requirements with the PEL DataView® Control Panel Feature