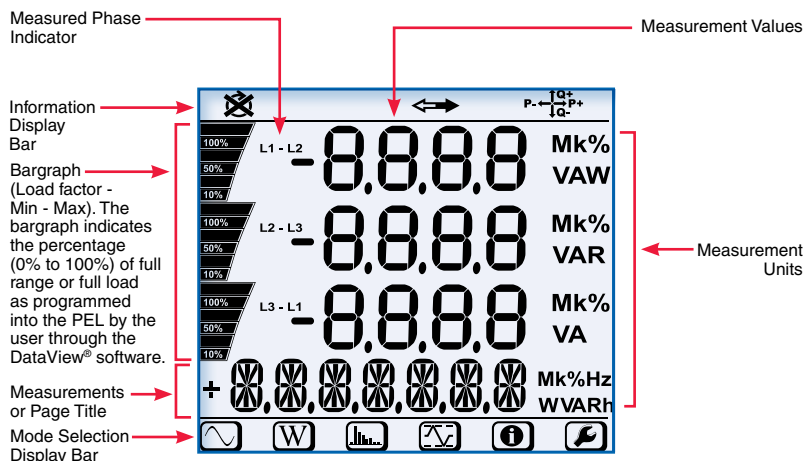


### Models PEL 102 & PEL 103

Economical, compact and simple to use!



#### KEY FEATURES OF THE PEL 103 DISPLAY



#### FEATURES

- Simple to use, single-, dual- (split-phase) and three-phase (Y, Δ) power & energy loggers
- Provides all the necessary functions for Power and Energy data logging for 50Hz, 60Hz, 400Hz and DC distribution systems
- Current measurements from 200mA up to 10,000A using flexible current sensors
- Automatic recognition of the connected current sensors/probes
- Power measurements: VA, W and var
- Energy measurements VAh, Wh (source/load indication) and varh (including quadrant indication)
- Record cost of energy usage
- Power Factor (PF), Cos (φ), Tan (Φ) and DPF
- Total Harmonic Distortion (THD) for voltages and currents
- Harmonics up to the 50<sup>th</sup> order for 50/60Hz voltages and currents and 7th order for 400Hz
- Simultaneous RMS measurements of each phase @ 128 samples/cycle and DC
- Bright blue, four line LCD on Model PEL 103 (3 phases shown simultaneously)
- Storage of measured and calculated values on a SD-Card or SDHC-Card
- Configuration of current and voltage ratios to external PT and CT ratios
- USB, LAN, and *Bluetooth* communication
- Includes DataView® software for data storage, real-time display, analysis and report generation with supplied pre-defined or custom templates

#### TOP AND BOTTOM DISPLAY BARS INDICATE THE FOLLOWING

TOP DISPLAY BAR	
ICON	DESCRIPTION
	Phase Sequence reversal indicator or missing phase (displayed in 3-Phase distribution systems)
	Data available for recording (non-display indicates possible internal problem)
	Power Quadrant Indication

BOTTOM DISPLAY BAR	
ICON	DESCRIPTION
	Measurement Mode (Real-time values)
	Power and Energy Mode
	Harmonics Mode
	Min/Max Mode
	Information Mode
	Not used



#### PRODUCT INCLUDES

##### Models PEL 102 & PEL 103

**Models PEL 102 and PEL 103 include:**  
 Small Classic Tool Bag, Three MiniFlex® MA193-10-BK Sensors (included with select models), 5 ft USB Cable, Four Black Test Leads and Alligator Clips, Power Cord, 12 Color-coded ID Markers, Multifix Mounting System, Safety Card for the PEL, Sensor Compliance Sheet, 2 GB SD-Card with USB-SD-Card Reader, Quick Start User Guide and USB Stick with DataView® and User Manual.

