



Power & Energy Logger Model PEL 112

Cat. #2137.63

The PEL 112 is a versatile power and energy logger designed for a wide range of applications, from energy audits to industrial maintenance. Compact and easy to use, it measures AC/DC voltage, current, power, and energy, offering real-time data collection and advanced analysis. With multiple connectivity options and the intuitive DataView® software, it's the ideal solution for professionals seeking reliable and efficient energy monitoring. Reports can be generated with confidence with minimal configuration time and effort (Standard and Customizable Reports supplied).

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TECHNICAL SPECIFICATIONS 1		
Catalog #	2137.63 (No Current Probes/Sensors)	2137.53 (w/ 196A-24-BK Sensors)
GENERAL		
Number of Voltage Inputs	3 (V1, V2, V3)	
Number of Current Inputs	3 (L1, L2, L3)	
Distribution Systems	Single-/Split-/3-phase, DC, etc. (17 choices)	
MEASUREMENTS		
Voltage Range - Phase-Neutral (V)	(10 to 1000) V AC/DC 2	
Voltage Range - Phase-Phase (U)	(10 to 1000) V AC 2	
Typical Accuracy - Voltage	± 0.2% R ± 0.2 V	
Current Range AC	5 mA to 12 kA AC 3	200 mA to 12 kA AC
Current Range DC	50 mA to 1300 ADC 3	
Typical Accuracy - Current -(Meter Only) 4	± 0.4 % R ± 0.04 % Inom	
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 (MN193 probe, 5 A range)	Not available with AmpFlex®/MiniFlex® sensors
Power (P, P+ , Punb, Qf, N, D, S)	up to 10 GW/Gvar/GVA 5	
Energy	up to 4 EWh/EVAh/Evarh 5	

For more details, download the datasheet or user manual at www.aemc.com

15 Faraday Drive • Dover, NH 03820 USA • (800) 343-1391 • (603) 749-6434 • www.aemc.com
customerservice@aemc.com • techsupport@aemc.com

Phase	cos ϕ , tan Φ , PF
Phase Order / Phasor Diagram	Yes / Yes (with <i>DataView</i> [®] or App for Android)
Harmonics	THD for V, A and harmonics to 50th 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 <i>DataViewSync</i> [®]
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, <i>DataViewSync</i> [®]
Software	<i>DataView</i> [®] included, free App for Android™
NEC Article 220.87 - Load Study Compliant	Yes, <i>DataView</i> [®] configuration button and report templates
Mounting	Embedded magnets in case
Powered from phase voltage	Phase Power Adapter (Catalog #2137.90)
External Power Supply	120 / 240 V Line Power Cord
SAFETY AND MECHANICAL	
Electrical Safety	600 V CAT IV / 1000 V CAT III
Ingress Protection	IP 54 / IP 20
Weight	< 2.2 lbs (1 kg)

Note 1: Refer to the user manual for complete technical specifications

Note 2: 400 Hz - Phase-Neutral-V (5 to 600) V ; Phase-Phase-U (10 to 600) V

Note 3: Probe dependent

Note 4: Accuracy of connected current probe must be added to this value

Note 5: (G = Giga = 10⁹), (E = Exa = 10¹⁸)

Note 6: (PEL 115) IP 67 with included waterproof accessories; (PEL 112/113) IP 54 instrument disconnected (de-energized) / IP 20 instrument connected (energized and operating)

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