







PEL Series Power & Energy Loggers					
		PEL 52	PEL 102	PEL 103	PEL 105
AEMC Catalog Number		2137.69	2137.61	2137.62	2137.57
Number of inputs (V / A)		2V / 2A	4V / 3A		5V / 4A
Number of input channels (V / A)		2V / 3A	3V / 3A		4V / 4A
Voltage - AC (Phase-to-Neutral)		600V	1000V		
Voltage - AC (Phase-to-Phase)		1200V	1700V		1000V
Voltage - DC		No	1000V		
Voltage Ratio - AC		No	13,000:1 (up to 650kV)		
Current AC / DC		3,600Aac / No DC Current measurements	12,000Aac / 5000Adc (probe dependent)		
Current Ratio - AC		up to 25kA - with MN193 probe in 5A range			
CURRENTS	AmpFlex & MiniFlex (AC only)	500mA to 3,600Aac @ 50/60Hz	200mA to 12,000Aac (MiniFlex 3000Aac max) @ 50/60Hz (Ranges reduced by 50% at 400Hz)		
	SR193 (AC only)		1A to 1200Aac		
	MN93 (AC only)		500mA to 240Aac		
	MN94 (AC Only)	50mA to 240Aac	n/a		
	MN193 (AC Only) (dual range)		5mA to 6A (5A), 200mA to 120Aac (100A)		
	MR193 (AC/DC)	n/a	1A to 1000Aac/dc		
	SL261 (AC/DC) (dual range)	n/a	50mA to 10Aac/dc (10A), 5A to 100Aac/dc (100A)		
Line Frequency		45 to 65Hz (50/60Hz)	42.5 to 69Hz (50/60Hz), 340 to 460Hz (400Hz), DC		
Harmonics Recorded		n/a	orders 0 to 50 for Voltage and Current (each phase)		
Power Units Recorded			W, VA, var		
Energy Units Recorded			Wh, VAh, varh		
Other Parameters Recorded		PF, DPF(cos φ), F(Hz)	PF, DPF(cos φ), tan Φ, CF, THD(V,I), F(Hz)		
# Of Distribution Systems		3	17		
Transient Detection			No		
InRush Capture			No		
Alarm Mode			No		
Aggregations (Fixed)			1 second		200 milliseconds, 1 second
Aggregations (User Selectable)			1 to 60 minutes (12 choices)		
Phasor (Fresnel) Diagram		Yes - using DataView® Software (Included)	Yes - using DataView® Software (Included) or the PEL App for Android Devices (Google Play)		
Storage Of Recordings			SD card - 8GB Shipped (SD-HC up to 32GB upgradeable)		
Communications		Ethernet Wi-Fi, Wi-Fi Direct, DataViewSync®	USB, Bluetooth 2.1 (PC and Android App), Ethernet LAN		USB, Bluetooth 2.1(PC and Android App), Ethernet LAN, Ethernet Wi-Fi, Ethernet Direct, Wi-Fi Direct, DataViewSync®
Software		Yes - DataView® Included			
Display		Yes - Backlit LCD Monochrome	No	Yes - Backlit LCD Monochrome	
Front Panel Status LEDs		None	Recording, Bluetooth, Phase Order, OverLoad, SD Card, Battery		Recording, Bluetooth, Phase Order, OverLoad, SD Card, Battery, Power, Wi-Fi
Powered From Phase		Yes, using V1-N	Yes - with optional power adapter - derates meter to 600V CAT III		Yes - built-in and switchable
Power Supply		100 to 600Vac between V1-N	120V/240Vac External Line Power using IEC 60320 C7 cable		120V/240Vac External 15V Adapter
Battery Backup For Ride-Through		NiMH AAA Battery Pack (2.8V) ~5 hours	NiMH Battery Pack (8.4V) ~1 hour		NiMH Battery Pack (9.6V) ~1 hour
Mounting		Embedded Magnets Molded Into The Case			
Electrical Safety		600V CAT III per IEC 61010	600V CAT IV, 1000V CAT III per IEC 61010		1000V CAT IV per IEC 61010
Protection		IP 54	IP 54		IP 67 (case closed)
Dimensions		7.09 x 3.46 x 1.46"	10.08 x 4.92 x 1.46"		10.6 x 9.65 x 7.1"
Weight		14.11 oz	1.83 lbs	2.05 lbs	8.8 lbs
Warranty		2 years			
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