



PM 135 POWERMETERS			
			
		Order Code	
Power Version	Measures Volts, Amps, Vars, VA, PF, Hz, Phase Rotation, Neutral Current, Voltages and Currents Unbalance, Max. Demand (Amps, Watts), Min/Max Values, nominal voltage range of 0-690V L-L, One communication port RS485, protocol: ASCII, improved MODBUS and DNP 3.0 Level 1 rev. 2.3. Bright LED display standard with customizable screen.	PM135P	
Energy and Harmonic Version	All above features plus: THD and individual Harmonics to 40 for Voltages and Currents, TDD and K-Factor for Currents, Neutral Current, Voltages and Currents Unbalance, Energy (Import/Export) - kWh, kVAh, kvarh and Demand (Max. Accum, Sliding, Projected) - kW, kVA, kvar, Energy Registers, Max Demand Registers. Harmonic Measurements - synthesized voltage and current waveforms (via PAS software). Display of energy consumption with customized period, 125kB for data and event logging and real time clock (RTC) with battery backup.	PM135EH-N	
Energy Only	All above features without individual Harmonics	PM135E-N	
OPTIONS			
Current Inputs			
5 Ampere		5	N/C
1 Ampere		1	N/C
5A split core remote high accuracy current sensor (HACS),		RS5	80
High Accuracy Current Sensors (HACS), 50/60Hz only Requires ordering of 3 HACS - please refer to page 17.		HACS	N/C
Calibration at Frequency			
25 Hz (supports 1A and 5A models only)		25HZ	N/C
50 Hz		50HZ	N/C
60 Hz		60HZ	N/C
400 Hz (supports 1A and 5A models only)		400HZ	N/C
Resolution			
Low Resolution 1A, 1V		-	N/C
High Resolution 0.01A, 0.1V		H	N/C
Power Supply			
85-265V AC and 85-290V DC		ACDC	N/C
9.5-18V DC		1DC	85
18.5-58V DC (24VDC, 48VDC)		23DC	85
Communication Protocol			
Modbus and DNP 3.0		-	N/C
Modbus and IEC 60870-5-101/104 (Note: -104 requires ETH)		870	111
Display Language			
English		EN	N/C
Russian		RU	N/C
Spanish		ES	N/C
Chinese		CN	N/C
Mounting			
Panel Mount (standard)		-	N/C
DIN Rail Mounting		DIN	41
Testing and Certificate			
Full functional test, calibration at various work loads & detailed test		-	N/C
Full functional test, calibration at various work loads & detailed test report plus ISO 17025 and ILAC certified calibration certificate		CC	30
Expansion Module (Max. 1 module per instrument, can be ordered separately)			
4 Analog Outputs: ±1mA		AO1	148
4 Analog Outputs: 0-20mA		AO2	148
4 Analog Outputs: 0-1mA		AO3	148
4 Analog Outputs: 4-20mA		AO4	148
4 Analog Outputs: 0-3mA		AO5	148
4 Analog Outputs: ±3mA		AO6	148
4 Analog Outputs: 0-5mA		AO7	148
4 Analog Outputs: ±5mA		AO8	148
Communication: Ethernet (TCP/IP)		ETH	148
Communication: PROFIBUS		PRO	444
Communication: RS232/422/485		RS232	148
Communication: 2G/3G GSM Modem (Doesn't support 870)		T3G	370
Communication: 2G/3G CDMA Modem (Doesn't support 870)		T3C	370
Communication: RF (see Accessories page)		RF-x-y	489
4 Digital Inputs (Dry Contact) / 2 Relay Outputs 250V / 5A AC		DIOR	96
4 Digital Inputs (Dry Contact) / 2 SSR Outputs 250V / 0.1A AC		DIOS	96
4 Digital Inputs (Dry Contact) / TOU / RTC Battery		TOD	148
8 Digital Inputs (Dry Contact)		8DI	111
12 Digital Inputs (Dry Contact) / 4 Relay Outputs 250V/5A AC		12DIOR-DRC	230
12 Digital Inputs (125VDC) / 4 Relay Outputs 250V/5A AC		12DIOR-125V	230
12 Digital Inputs (250VDC) / 4 Relay Outputs 250V/5A AC		12DIOR-250V	230
12DIOR-DRC with Ethernet		12DIOR-DRC-ETH	378
12DIOR-125V with Ethernet		12DIOR-125V-ETH	378
12DIOR-250V with Ethernet		12DIOR-250V-ETH	378
12DIOR-DRC with RS-485		12DIOR-DRC-485	378
12DIOR-125V with RS-485		12DIOR-125V-485	378
12DIOR-250V with RS-485		12DIOR-250V-485	378

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