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CET Metering Selection Guide

Designed for Reliability Manufactured to Last

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	PMC-220	PMC-340	PMC-D726M	PMC-53A	PMC-53M	PMC-630A	PMC-630B	PMC-630C	PMC-630E	PMC-660	PMC-670	PMC-680i
General	Single Phase	Three Phase Multifunction Meter				Advanced Multifunction Meter				Power Quality Meter		
Class (kWh)	1	1 for Direct Input, 0.5S for 5A CT Input	1	0.5S	0.5S	0.5S	0.5S	0.5S	0.2S	0.2S	0.2S	0.2S
Extended Warranty	√	√	√	√	√	√	√	√	√	√	√	√
Operating Temperature (°C)	-25 to 70	-25 to 70	-25 to 70	-25 to 70	-25 to 70	-25 to 70	-25 to 70	-25 to 70	-25 to 70	-25 to 70	-25 to 70	-25 to 70
Mounting/Cutout (mm)	DIN Rail	DIN Rail	DIN72/68x68	DIN96/92x92	DIN96/92x92	DIN96/92x92	DIN96/92x92	DIN96/92x92	DIN96/92x92	DIN96/92x92	DIN144/138x138	DIN192/186x186
LCD Display (Backlit)	B&W (No Backlit)	B&W (Backlit)	B&W (Backlit) / LED	B&W (Backlit)	B&W (Backlit)	B&W (Backlit)	B&W (Backlit)	B&W (Backlit)	B&W (Backlit)	B&W (Backlit)	Color TFT 640x480 (Backlit)	Color TFT 640x480 (Backlit)
True RMS Sampling Rate	36	64	64	64	32	32	32	32	128	256	512	512/1024
Battery-backed Real-time Clock	N/A	√	N/A	√	N/A	√	√	√	√	√	√	√
Comm.												
Protocol	Modbus	Modbus	Modbus	Modbus, DNP 3.0	Modbus, BACnet, BACnet+N2	Modbus	Modbus	Modbus	Modbus, DNP 3.0, TCP	Modbus, TCP	Modbus, TCP (IEC 61850 Opt)	Modbus, TCP (IEC 61850 Opt)
RS-485 Port	1	1	(1 Opt)	1+(1 Opt)	1	1+(1 Opt)	1+(1 Opt)	1+(1 Opt)	(1 or 2 Opt)	(1 or 2 Opt)	2	(2 Opt)
Profibus-DP	N/A	N/A	N/A	N/A	N/A	(1 Opt)	N/A	N/A	N/A	N/A	N/A	N/A
Ethernet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	(1 Opt)	(1 Opt)	1	2
I/O												
Digital Input (DI)	N/A	(3 Opt)	(2 Opt)	(6 Opt)	(2 Opt)	(6 Opt)	(6 Opt)	(6 Opt)	(6 Opt)	(6 Opt)	(8 Opt)	(8 Opt)
Pulse Counter	N/A	√	N/A	√	N/A	√	√		√ √	√	√	√
Digital Output (DO) / Relay Output (RO)	N/A	N/A	(2 Opt)DO	(4 Opt)RO	(2 Opt)DO	2RO+ (2 Opt)DO	2RO+ (2 Opt)DO	2RO+ (2 Opt)DO	3RO	(2 or 3 Opt)RO	4RO+2DO	4RO+4DO
Analogue Input (AI), 0/4-20mA	N/A	N/A	N/A	(1 Opt)	N/A	(1 Opt)	(1 Opt)	(1 Opt)	N/A	(1 Opt)	N/A	N/A
Analogue Output (AO), 0/4-20mA	N/A	N/A	(1 Opt)	(1 or 2 Opt)	N/A	(1 Opt)	(1 Opt)	(1 Opt)	N/A	(1 Opt)	N/A	N/A
kWh & kvarh Pulse Output (LED)	√	√	√	√	√	√	√	√	√	√	√	√
kWh & kvarh Pulse Output (Solid State)	1	1	(2 Opt)	(2 Opt)	(2 Opt)	(2 Opt)	(2 Opt)	(2 Opt)	N/A	N/A	√	√
IRIG-B (GPS)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√	√
Measurements												
VLN per phase & avg	1 phase only	√	√	√	√	√	√	√	√	√	√	√
VLL per phase & avg	N/A	√	√	√	√	√	√	√	√	√	√	√
Current per phase & avg	1 phase only	√	√	√	√	√	√	√	√	√	√	√
Neutral Current (Meas/Calc)	N/A	Calc	Calc	Calc	Calc	Calc	Calc	Calc	Meas/Calc	Meas/Calc	Meas	Meas
Frequency	√	√	√	√	√	√	√	√	√	√	√	√
kW per phase & Total	1 phase only	√	√	√	√	√	√	√	√	√	√	√
kvar per phase & Total	1 phase only	√	√	√	√	√	√	√	√	√	√	√
kVA per phase & Total	1 phase only	√	√	√	√	√	√	√	√	√	√	√
PF per phase & Total	1 phase only	√	√	√	√	√	√	√	√	√	√	√
kWh Import/Export	√	√	√	√	√	√	√	√	√	√	√	√
kvarh Import/Export	√	√	√	√	√	√	√	√	√	√	√	√
kVAh Import/Export	√	√	√	√	√	√	√	√	√	√	√	√
Demands & TOU	N/A	√	√	√	Dmd Only	Dmd Only	√	√	Dmd Only	Dmd Only	√	√
Maximum Demands	N/A	√	√	√	√	√	√	√	√	√	√	√
Setpoints	N/A	N/A	√	√	√	√	√	√	√	√	√	√
Power Quality												
THD Voltage & Current	N/A	√	√	√	√	√	√	√	√	√	√	√
TOHD Voltage & Current	N/A	√	√	√	N/A	√	√	√	√	√	√	√
TEHD Voltage & Current	N/A	√	√	√	N/A	√	√	√	√	√	√	√
K-factor	N/A	√	√	√	√	√	√	√	√	√	√	√
Individual Harmonics	N/A	2^{nd} - 31^{st}	2^{nd} - 31^{st}	2^{nd} - 31^{st}	N/A	2^{nd} - 31^{st}	2^{nd} - 31^{st}	2^{nd} - 31^{st}	2^{nd} - 31^{st}	2^{nd} - 63^{rd}	2^{nd} - 63^{rd}	2^{nd} - 63^{rd}
Voltage/Current Unbalance	N/A	√	√	√	√	√	√	√	√	√	√	√
Waveform Capture (samples/cyc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	128	N/A	N/A	Realtime 128	Realtime 128
Waveform Recording	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√	√	√	√	√
Dip Swell Detection	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√	√	√
Transient Detection	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√	√	√	√	√
Residual Current Alarm	N/A	N/A	N/A	N/A	Opt	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Logs												
SOE Log	N/A	16 entries (PMC-340B)	16 entries	100 entries	32 entries	64 entries	64 entries	64 entries	64 entries	512 entries	1024 entries	1024 entries
PQ Log	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	√	1024 entries	1024 entries
Energy Log	N/A	√	N/A	√	N/A	N/A	N/A	N/A	√	√	√	√
Min/Max Log	N/A	√	N/A	√	√	√	√	√	√	√	√	√
On-board Log Memory	N/A	2MB (PMC-340B)	N/A	4MB	N/A	N/A	2MB	2MB	2MB	4MB	2GB	4GB

CET Metering Product Family

PMC-220

Single-Phase
DIN Energy
Meter



PMC-53M

Intelligent
Multifunction
Meter



PMC-340

Three-Phase
DIN Energy
Meter



PMC-630A/B/C/E

Advanced
Multifunction
Meter



PMC-D726M

Intelligent
Multifunction
Meter



LCD Dispaly



LED Dispaly

PMC-660

Advanced
Power Quality
Monitor



PMC-670

Advanced C&I
Power Quality
Analyzer



PMC-53A

Intelligent
Multifunction
Meter



PMC-680i

Advanced Utility
Power Quality
Analyzer



Contact us

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