

1426M6E

Allen-Bradley PM5000 M6 Power Quality Meter with EtherNet IP Comms



POWER ANALYSERS



Allen-Bradley



Component type	Power quality recorder
Range	Power Monitor 5000
Model	N/A
Product status	Existing

The Allen Bradley Power Monitor 5000 is the premier power quality meter from Rockwell Automation. Building on core power and energy metering capabilities features include advanced harmonic analysis, power quality monitoring and virtual wiring correction capability. This power analyser is a comprehensive solution for enhanced power monitoring and management requirements.

ELECTRICAL

Nominal voltage (Un) L-L	26-144 V
Nominal voltage (Un) N-L	15-660 V
Supply voltage AC 50 Hz	120-240 V
Supply voltage AC 60 Hz	120-240 V
Supply voltage DC	22.8-25.2 V
Voltage type of supply voltage	AC
Number of voltage measurement inputs	4
Number of current measurement inputs	4
Accuracy class reactive energy according to IEC 62053-23	Not suitable
Measuring range for frequency	40-75 Hz
Measurement of harmonics in frequency range 2 kHz - 9 kHz	Yes
Measurement of harmonics in frequency range 9 kHz - 150 kHz	No
Flicker according to IEC 61000-4-15	No
With transient detection	No
Self-powered	No
Data evaluation according to EN 50160	No
Type of display	External (not included)
Ethernet-connections	1
With audit logging (audit log)	Yes
Measurement parameter kW	Yes
Measurement parameter kW demand	Yes
Measurement parameter kWh	Yes
Measurement parameter kWh demand	Yes
Measurement parameter partial kWh	Yes

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Measurement parameter kVA	Yes
Measurement parameter kVAR	Yes
Measurement parameter kVARh	Yes
Measurement parameter VA	Yes
Measurement parameter VAR	Yes
Measurement parameter F	Yes
Measurement parameter PF	Yes
Measurement parameter Hz	Yes
Measurement parameter VL-L	Yes
Measurement parameter VL-N	Yes
Measurement parameter THD (I)	Yes
Measurement parameter THD (V,I)	Yes
Measurement parameter TRMS (V,I)	Yes
Measurement parameter An	Yes
Measurement parameter ADMD	Yes
Measurement parameter VADMD	Yes
Measurement parameter VARDMD	Yes
Measurement parameter AMAXDMD	Yes
Measurement parameter WDMD	Yes
Measurement parameter W	Yes
Measurement parameter voltage sequence diagnostics	Yes
Measurement parameter hour run	No
Accuracy class	0.2

COMMUNICATION

Configuration method	Web-based
Data transfer via PQDif	No
Fault record transmission via COMTRADE	No
Supporting protocol for IEC 61850 Ethernet	No
Supporting protocol for OPC UA PubSub	No
Supporting protocol for PROFIBUS	No
Supporting protocol for Modbus	No
Supporting protocol for PROFINET IO	No
Supporting protocol for other bus systems	No
Supporting protocol for DeviceNet	No
Supporting protocol for ControlNet	No
With firmware signature	No
With logging of security events (security event log)	Yes
With Role Based Access Control (RBAC)	Yes
Web server with HTTPS transfer protocol	No

CONSTRUCTION

Number of analogue inputs	0
Number of analogue outputs	0
Number of digital inputs	0
Number of digital outputs	0
Degree of protection (IP), front side	IP10
Terminal type	Screw

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MECHANICAL	Display	None
	Height	132 mm
DIMENSIONS	Width	185 mm
	Depth	178 mm
	Operating temperature	-20...70 °C
ENVIRONMENT	Storage temperature	-40...85 °C
	Humidity type	Non-condensing