


Digital Metering – Selector Guide

Multilin™ Digital Metering Selector Guide – Power Quality Meters



Features

EPM 2200 EPM 6000 EPM 6010 PQMII EPM 7000 EPM 9450 EPM 9650 EPM 9800 EPM 9900

Features	EPM 2200	EPM 6000	EPM 6010	PQMII	EPM 7000	EPM 9450	EPM 9650	EPM 9800	EPM 9900
ENERGY AND MEASUREMENT ACCURACY									
Active Energy Measurement Accuracy	0.5%	0.2%	0.2%	0.40%	0.20%	0.04%	0.04%	0.06%	0.06%
Energy Accuracy Meets or Exceeds ANSI Class	C12.20 Class 0.5	C12.20 Class 0.2	C12.20 Class 0.2		C12.20 Class 0.2	C12.20 Class 0.2	C12.20 Class 0.2	C12.20 Class 0.2	C12.20 Class 0.2
Energy Test Pulse for Accuracy Certification	•	•	•		•	•	•	•	•
POWER AND ENERGY MEASUREMENT									
Voltage, Current, Frequency, Power Factor	•	•	•	•	•	•	•	•	•
Power (kW, kVAR, kVA)	•	•	•	•	•	•	•	•	•
Bi-Directional Power	•	•	•	•	•	•	•	•	•
Energy (kWh, kVARh, kVAh)	•	•	•	•	•	•	•	•	•
Demand	•	•	•	•	•	•	•	•	•
Demand-Time-of-Use Support				•		•	•	•	•
Auto-calibrating						•	•	•	•
POWER QUALITY									
Harmonics - THD		•	•	•	•	•	•	•	•
Sags & Swells				•	•	•	•	•	•
Harmonics-Spectrum Analysis				•	•	•	•	•	•
Crest-Factor				•	•	•	•	•	•
Subcycle Transient Detection						•	•	•	•
K-Factor						•	•	•	•
EN50160 Flicker & Compliance							•	•	•
EN61000-4-30 Class A Reporting									•
DATA LOGGING									
Historical Logging				•	•	•	•	•	•
Event Logging				•	•	•	•	•	•
Maximum Logging Memory				192KB	4MB	512KB	4MB	4MB	1GB
Event-Driven Waveform Capture				•	•	•	•	•	•
Maximum Waveform Capture Rate Samples/Cycle				64	512	512	512	512	1024
Time Synchronization via IRIG-B						•	•	•	•
Transient Recorder Samples/Cycle									166,000
AUTOMATION AND I/O									
KYZ Pulse Output	•	•	•	•	•	•	•	•	•
Alarm Annunciation via Relay				•	•	•	•	•	•
Analog Input (Max)				1	0	32	32	32	32
Analog Output (Max)				4	8	32	32	32	32
Digital Input (Max)				4	8	40	40	40	40
Digital Output (Max)				4	4	16	16	16	4
Control Relay (Max)				4	4	16	16	16	12
COMMUNICATIONS AND PROTOCOLS									
Communication Ports (Max)	1	2	2	2	4	4	4	4	6
Modbus Serial (S) / Ethernet (E)	S	S / E	E	S	S / E	S / E	S / E	S / E	S / E
DNP 3.0		•	•	•	•	•	•	•	•
IEC 61850					•				•
BACnet	•		•						
Embedded Web Server			•		•	•	•	•	•
Front Communication Port		•	•	•	•	•	•	•	•
USB Port						•	•		•
Modem						•	•	•	
DISPLAYS, MOUNTING & POWER SUPPLY									
Multi-function Touch Screen Display						•	•		•
Enclosure		•	•	•	•	•	•	•	•
Low Voltage Power Supply Option		•	•		•	•	•	•	•

For a full listing of all Multilin Digital Metering products, please visit our website GEGridSolutions.com/multilin/catalog/Meters.htm

Multilin Digital Metering Selector Guide – Submetering



EPM 4600



EPM 6100



EPM 7100

Features

ENERGY AND MEASUREMENT ACCURACY			
Active Energy Measurement Accuracy	0.5%	0.2%	0.2%
Energy Accuracy Meets or Exceeds ANSI Class	C12.20 Class 0.5	C12.20 Class 0.2	C12.20 Class 0.2
Energy Test Pulse for Accuracy Certification	•	•	•
POWER AND ENERGY MEASUREMENT			
Maximum Number of Circuits Measured	24	1	1
Voltage, Current, Frequency, Power Factor	•	•	•
Power (kW, kVAR, kVA)	•	•	•
Bi-Directional Power	•	•	•
Energy (kWh, kVARh, kVAh)	•	•	•
Demand	•	•	•
Demand-Time-of-Use Support	•	•	•
DATA LOGGING			
Historical Logging	•	•	•
Maximum Logging Memory	32MB		2MB
Time Synchronization (Modbus, Line Frequency)	•		•
AUTOMATION AND I/O			
KYZ Pulse Output	•	•	•
Relay Outputs/Status Inputs	2 4		
COMMUNICATIONS AND PROTOCOLS			
Communication Ports (Max)	3	2	2
Modbus Serial (S) / Ethernet (E)	S / E	S / E	S / E
WiFi Capable	•	•	•
Front Communication Port	•	•	•
USB Port	•		
Modem			
DISPLAYS AND MOUNTING			
Multi-function Touch Screen Display	•		

For a full listing of all Multilin Digital Metering products, please visit our website GEGridSolutions.com/multilin/catalog/Meters.htm

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