Designed for Reliability Manufactured to Last

- Industrial Grade Components
- Standard Tropicalization
- Extended Temperature Range
- Extended Warranty

PMC-220

Single-Phase DIN Energy Meter



- DIN Rail mount
- 36mm(W)x65mm(D)x90mm(H)
- Self-powered
- Direct Input up to 63A
- Large 6½-digit LCD Display

- IEC 62053-21 Class 1
- 36 samples/cycle
- True RMS Measurements
- 1xRS-485 Port with Modbus RTU
- Front Panel kWh LED & Solid State Pulse Output

PMC-D726M

Intelligent Multifunction Meter



- DIN 72 (68x68 Cutout)
- IP52 Enclosure with No Openings
- Large, Easy to Read 4-digit LED/LCD Display
- Front Panel kWh/kvarh LED Pulse Output
- Optional 1xRS-485 with Modbus RTU

- IEC 62053-21 Class 1
- 64 samples/cycle
- True RMS Measurements
- THD and Individual Harmonics up to 31st
- SOE log
- Optional 1xDI, 1xRO, 1xAO (0-20mA)

PMC-340

Three-Phase DIN Energy Meter

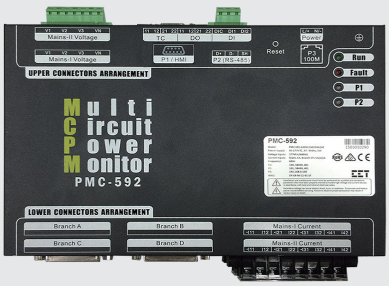


- DIN Rail mount
- 3-phase Power Supply
- No External Control Power Required
- Easy to read 7-segment LCD Display
- Front Panel kWh/kvarh LED & 1xDO Pulse Output
- 6ppm Battery-backed Real-time Clock
- 1xRS-485 port with Modbus RTU
- Optional 3xDI, SOE Log & 256kB Log Memory

- IEC 62053-21 Class 1 for 100A Direct Input
  IEC 62053-22 Class 0.5S for 5A CT Input
- 64 samples/cycle, True RMS Measurements
- V & I THD, THOD, THED, Unbalance & K-factor
- Individual Harmonics up to 31st
- Min/Max Log
- 2xTOU Schedules for Tariff Metering
- 12 Monthly Recordings of all Energy Parameters

PMC-592

Multi-Circuit Power Monitor



- Ideal for PDU/LVDB/Load Center Monitoring
- 2xMains Inputs (3xV & 4xI)
- Up to 84 Branches with 5A CT (Solid-Core) or 100A Direct Input (Solid-Core or Split-Core CTs)
- 6ppm Battery-backed Real-time Clock
- 1xRS-422, 1xRS-485 & 1x10/100BaseT
- Modbus RTU/TCP, HTTP, SNTP, SMTP, SNMP
- 2xDI, 2xRO & 2xRTD (PT100)
- Optional 7" Touch Screen HMI

- IEC 62053-21 Class 1
- 64 samples/cycle, True RMS Measurements
- Dip/Swell Detection on Mains with WFR @ 64 samples/cycle
- 1Ø, 2Ø & 3Ø Sub-metering
- 10 Virtual Meters
- Harmonics on Mains & all Branch Circuits
- Maximum Demands & Min/Max Log
- Multi-level Alarming HH, H, L, LL & Off
- 10 Data Recorders @ 64 Parameters

PMC-1304-3

Communications Processor



Basic Model (Modbus Gateway TCP→RTU)

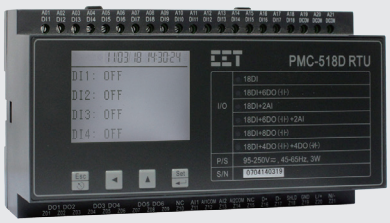
- DIN Rail mount
- 2x10/100BaseT (RJ45)
- 2xRS-485 or 4xRS-485 models
- 32 Slave IEDs per port and a max. 128 Slave IEDs per device
- Web Interface for simple configuration
- 15 kV (contactless), 6kV (contact) ESD Protection & 3kV Isolation Protection for all Serial signals
- 1.5 kV Isolation for Ethernet ports
- Specifically designed to withstand the harshest Industrial Environments

RTU Model (Modbus Master)

- Modbus Gateway for a max. of 32 Slave IEDs per port
- Supports Modbus Mastering
- Local Data Logging for a max. of 64 Slave IEDs per port or 256 Slave IEDs per device for a total of 102,400 data points
- 2GB On-Board Log Memory, sufficient for storing data @ 60-min. interval for 900 days
- Support scheduled uploading of Data Log in CSV format to an external FTP Server
- Support Off-line configuration & On-line debugging

PMC-518D

Remote Terminal Unit



- DIN Rail mount
- Large, Backlit, Easy to read LCD Display
- 6ppm Battery-backed Real-time Clock
- 1xRS-485 port with Modbus RTU
- SOE Log

- 18xDI for Status Monitoring or Pulse Counting for collecting WAGES (Water, Air, Gas, Electricity, Steam) information
- Optional 6xRO or 8xRO for control applications
- Optional 2xAI (0-20mA) for interfacing with External Transducers

Designed for Reliability Manufactured to Last

- Industrial Grade Components
- Standard Tropicalization
- Extended Temperature Range
- Extended Warranty

PMC-53A

Intelligent Multifunction Meter



- DIN 96 (92x92 Cutout)
- IP54 Enclosure with No Openings
- Backlit Dot-matrix LCD Display
- Front Panel kWh/kvarh LED Pulse Output
- 1xRS-485 with Modbus RTU
- Optional 4xDI, 2xRO or 2xDO for Energy Pulse Output
- Optional I4, additional DI/DO, RTD and 2nd RS-485 port
- IEC 62053-22 Class 0.5S
- 64 Samples/cycle, True RMS Measurements
- V & I THD, THOD, THED, Unbalance & K-factor
- Individual Harmonics up to 31st
- Maximum Demands & Min/Max Log
- 2xTOU Schedules for Tariff Metering
- Setpoint Alarms
- SOE Log

PMC-630A/B/C/E

Advanced Multifunction Meter



- DIN 96 (92x92 Cutout)
- IP52 Enclosure with No Openings
- Large, Bright, Backlit LCD Display
- Front Panel kWh/kvarh LED Pulse Output
- 6ppm Battery-backed Real-time Clock
- Standard I4 Input (Model E)
- 6xDI & 2/4xRO (Model A/B/C), 6xDI & 3xRO (Model E)
- Up to 2xRS-485, Modbus RTU/TCP, DNP (Model E)
- Optional Profibus-DP (Model A)
- Optional 1x10/100BaseT & Ethernet Gateway (Model E)
- Optional 1xI residual, 1xAI & 1xAO (Model A/B/C)
- IEC 62053-22 Class 0.5S @32 samples/cycle (Model A/B/C)
- IEC 62053-22 Class 0.2S @128 samples/cycle (Model E)
- True RMS Measurements
- 2MB On-board Log Memory (Model B/C/E)
- V & I THD, THOD, THED, Unbalance & K-factor
- Harmonics Analysis up to 31st
- 16 Data Recorders @ 16 Parameters (Model B/C/E)
- Transient Capture & WF Recording @ 16 samples/cycle (Model C) or @ 128 samples/cycle (Model E)
- SOE Log
- Setpoint Alarms

PMC-660

Advanced Power Quality Monitor



- DIN 96 (92x92 Cutout)
- IP52 Enclosure with No Openings
- Large, Bright, Backlit LCD Display
- Front Panel kWh/kvarh LED Pulse Output
- 6ppm Battery-backed Real-time Clock
- Standard I4 Input
- 2xRS-485 with Modbus RTU
- Optional 1x10/100BaseT with Modbus TCP & Ethernet Gateway, HTTP, SNTP & SMTP
- 6xDI, 3xRO
- Optional 1xAI & 1xAO
- IEC 62053-22 Class 0.2S
- 256 Samples/cycle, True RMS Measurements
- 4MB On-board Log Memory
- V & I THD, THOD, THED, Unbalance & K-factor
- Harmonics Analysis up to 63rd
- ½ -cycle Dip/Swell Detection
- 80us Transient Capture @ 256 samples
- WF Recording @ 256 samples/cycle
- Standard and HS Data Recording
- Energy Log, PQ Log, SOE Log
- 16 Standard & 8 HS Setpoints for Control & Alarming

PMC-670

Advanced C&I Power Quality Analyzer



- DIN 144 (138x138 Cutout)
- 4xV & 4xI Inputs
- 5.7" Industrial Grade Color LCD @ 640x480
- Front Panel kWh/kvarh LED Pulse Output
- GPS Time Sync. via DI, IRIG-B or SNTP
- 6ppm Battery-backed Real-time Clock
- 2xRS-485, 1x10/100BaseT
- Modbus RTU/TCP and Ethernet Gateway
- HTTP, SNTP & SMTP
- 8xDI, 4xRO & 2xDO
- Optional IEC 61850 Protocol Support
- COMTRADE Compatible
- 24 Standard & 16 HS Setpoints for Control & Alarming
- IEC 62053-22 Class 0.2S
- IEC 61000-4-30 Class A Certification by PSL
- IEC 61000-4-15 (Flicker), IEC 61000-4-7 (Harmonics)
- 512 Samples/cycle, True RMS Measurements
- 2GB On-board Log Memory
- V & I THD, THOD, THED, Unbalance & K-factor
- Harmonics Analysis up to 63rd
- 40us Transient Capture @ 512 samples
- ½-cycle Dip/Swell Detection
- Disturbance Direction Indicator (DDI)
- WF Recording @ 512 samples/cycle
- On-board Display for Event WF & ITIC/SEMI F47 Plot, Harmonic Histogram, Phasor Diagram, Trending & SOE Log
- Normal & HS Data Recording

PMC-680i

Advanced Utility Power Quality Analyzer



- DIN 192 (186x186 Cutout)
- 4xV & 5xI Inputs
- 5.7" Industrial Grade Color LCD @ 640x480
- Front Panel kWh/kvarh LED Pulse Output
- GPS Time Sync. via DI, IRIG-B or SNTP
- 6ppm Battery-backed Real-time Clock
- 2x10/100BaseT, 2xRS-485
- 8xDI, 4xRO & 4xDO
- Modbus RTU/TCP, HTTP, SNTP, SMTP, & Ethernet Gateway
- Optional 1x10/100BaseFx
- Optional IEC 61850 Protocol Support
- PQDIF & COMTRADE compatible
- EN 50160 PQ Reporting
- 256 Setpoints for Control & Alarming
- IEC 62053-22 Class 0.2S
- IEC 61000-4-30 Class A Certification by PSL
- IEC 61000-4-15 (Flicker), IEC 61000-4-7 (Harmonics)
- 512 samples/cycle, optional 1,024 True RMS Measurements
- 4GB On-board Log Memory
- V & I THD, THOD, THED, Unbalance & K-factor
- Harmonics Analysis up to 63rd
- 40us Transient Capture @ 512 samples
- ½-cycle Dip/Swell Detection
- Disturbance Direction Indicator (DDI)
- WF Recording @ 512 samples/cycle (optional 1,024)
- Disturbance WF Recording up to 360 seconds
- Inrush Current Monitoring
- On-board Display for Event WF & ITIC/SEMI F47 Plot, Harmonic Histogram, Phasor Diagram, Trending & SOE Log