

# PM3000 Power Master

Web-based Mini-SCADA for Power Monitoring, Demand Control, Scheduling Control, Set-point Control and Report Generation



| Hardware Specification                 | Function  |
|--|---|
| <b>Power</b>                           | 85~240VAC, 47~63Hz, 60VA, Maximum 23W   |
| <b>Display</b>                         | 6.4" TFTLCD, 640 x 480 pixel resolution, 24 bits colors   |
| <b>Memory</b>                          | 64 MB RAM, 32 MB Flash, 32 MB DOC, RTC(Battery back-upped)  |
| <b>Interface</b>                       | USB : Host Port x1<br>Keypad : Function Key x7, Arrow Key x4, Digital Output x16, LEDx2   |
| <b>COMM Module</b>                     | Interface : RS-485 x 1<br>Protocol : ModBus over serial line  |
| <b>Standard Ethernet Communication</b> | Ports : Ethernet = 10/100Mbps Base T x 2<br>Protocol : ModBus over TCP/IP, http, smtp   |
| <b>Environmental &amp; Physical</b>    | Operation Temperature : 5°C to 50°C<br>Storage Temperature : -25°C to 60°C<br>Humidity : 20 to 80%RH (non-condensing)<br>Dimensions : 196mm (W) x 196mm (H) x 135mm (D) for panel mount |

## Certificate

- LVD Test : EN61010-1
- CE Test :
 

|   |   |
|---|---|
| EN61326 Conducted Emission                  | EN61326 Radiated Emission                   |
| EN61000-3-2 Harmonic Current Emission       | EN61000-3-3 Voltage Fluctuation and Flicker |
| EN61000-4-2 Electrostatic Discharge         | EN61000-4-3 Radiated Susceptibility         |
| EN61000-4-4 Electrical Fast Transient/Burst | EN61000-4-5 Surge                           |
| EN61000-4-6 Conducted Susceptibility        | EN61000-4-8 Power Frequency magnetic Field  |
| EN61000-4-11 Voltage Dips and Interruption  |   |
- FCC Test : Class A and CISPR 22

## Ordering Code

- PM3000-□
- =0 : Manage 1 power meter (1power meter demand forecast)
  - =1 : Manage up to 16 power meter
  - =2 : Manage up to 64 power meter (for power monitoring, without demand forecast function)

## Features

- Widely used for power monitoring and control in factory and building
- Manage up to 16 units of power meter
- Flexible field communication interfaces(Ethernet and RS485) for different power meter connection
- Rich electricity parameters and power quality display for main and sub-feeder meters
- Easy integrated with 3<sup>rd</sup> party supervisory control systems
- Remote power monitoring and control via intranet/internet
- Electricity demand control with 16 channels load shedding
- Multi-tariff management with TOU (Time-of-Use rate)
- Built in web server remote monitoring and control & data download
- Automatic report and alarm status sending by E-mail
- Front USB host port for data backup and program download

## Application Architecture

