DIGITAL MULTIFUNCTION TRMS POWER METER MODEL : KM - PM - 100



Multifunction Powermeter suitable for Control Panels, Power Monitor & Control in 1ϕ / 3ϕ 3W / 3ϕ 4W systems.

✶**Display :** Four rows LCD display with backlight

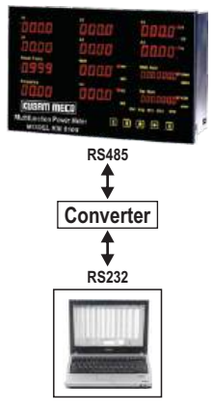
✳ FUNCTIONS :

- **Voltage range :-** Input 55 ~ 440V (L-L) (Max : 480V L-L)
  Input 55 ~ 600V (L-L) (Max: 700V L-L)
- **Current range :-** Input 5A, suitable for 2mA ~ 6A
  Input 1A, suitable for 2mA ~ 1.5A.
- **Input burden :-** Voltage = 0.25VA, Current = 0.2VA
- **Input frequency :-** 45 ~ 70Hz
- **Response time :-** 1 sec
- **Communication :-** RS- 485 Modbus RTU
- **Baudrate :-** 1200, 2400, 4800, 9600, 19200, 384000
- **Ethernet :-** TCP / IP 100 Base T
- **Output :-** 4 Alarm setting
  4 Sets DC ~ 4-20mA (output > 500Ω) 2 Sets of pulse output
- **Harmonic :-** KM-PM-100H 15 times for voltage and current
- **Dielectric strength :-** AC 2.8KV/ Min, between Input / Power / Case,
- **Power Supply :-** AC 85~265V / DC 100 ~300V 50 / 60Hz
- **Consumed Power :-** <3W
- **Operating Condition :-** -20ºC ~ + 65°C 20 ~ 90% RH Non-Condense
- **Storage Condition :-** -40°C ~ +75°C 20 ~ 90% RH Non-Condense
- **Dimension :-** 100 (W) x 100 (H) x 96(D) mm
- **Mounting :-** Panel Flush Mounting
- **Case Material :-** ABS plastic /Self-Extinguishing, Comply with UL 94 Class V-O

✳ ADDITIONAL FUNCTIONS :

- **IP Code** : Panel : Ip64; Case: IP 20
- LCD display screen with backlight
- Programmable brightness for backlight
- System supported :1 Φ 2W / 1 Φ 3W / 3 Φ 3W / 3 Φ 4W
- Communication : Rs-485 ModBbus RTU (Optional)
- Ethernet TCP _ IP 10/100 BaseT (Optional)
- Output : 4 Sets 4-20mA, 4 Alarm, 2 Pulse
- Programmable for PT and CT ratio.
- Measures ±WH and ±VARH (10-digit display).
- TRMS smpling, 128 section per cycle
- Password - protection for unauthorized setting
- Memory for 10 years

SYSTEM ANALYZER LOAD MANAGER SOFTWARE FOR POWER METER

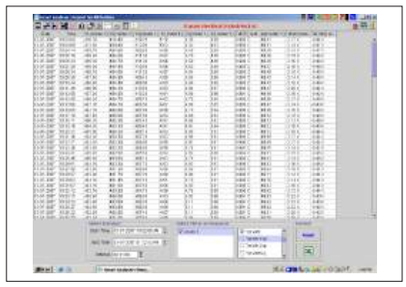


"System Analyser" (Load Manager) is the most effective & Powerful Data Management Software available. It monitors all Power Parameters including Demand & Harmonics.The Software can monitor data from KUSAM - MECO Power Meters KM-PM-8100, KM-PM-7200

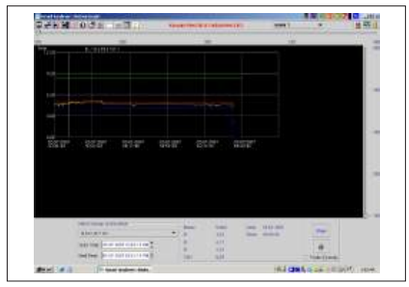
This software kit consists of CD, USB Hardware lock, RS 485 - RS 232 converter, one meter length communication cable. On installing the software using the CD, the PC will prompt the user for the "Hardware Lock". The hardware lock is to be connected to a USB port on the PC.

After the RS 485 Converter is connected to the meter & the PC, the communication is established.

The data from the meter can be viewed on the PC in text as well as graphical form.



REPORT



GRAPH

The different types of screens available in the software are :

1. Realtime values display of all parameters measured by the power meters.
2. RS 485 communication status of all meters connected. (256 Nos. meters can be connected for monitoring data which can increase by using repeaters).
3. Real time graphical displays of all parameters with zoom facility.
4. Historical trend (graphical format) for all parameters.
5. Alarm report & indication for exceeded alarmed parameters.
6. Tariff (for cost checking energy bills).
7. KWH report in tabular format with total consumption for the selected period.
8. Bar graph and pie chart for KWH report.
9. Emailing alarmed parameters on exceeding alarm set limits.
10. PC base Audio and Visual alarm indication.
11. Backup, restore, delete facility for data.
12. User selectable data logging interval.
13. Report Generation in Excel format of all stored data.