

Multifunction Power meters is suitable for Control Panels, Monitoring Power & Control in 3 ϕ 3wire & 3 ϕ 4wire systems. Current, Voltage, Power, Energy, & Harmonics measurement.

NEW

Preliminary Data

GENERAL SPECIFICATIONS :

- **Display :** 4 rows, 4 Digit LCD display with backlight
- **Size :** 96 x 96 mm
- **FUNCTIONS :**
 - Voltage :** 0 - 600V AC phase to phase (Max 0 - 720V AC)
 - Current :** **Input :** 5A (max 7.5A) or **Input :** 1A (max 1.2A)
 - Input Frequency :** 45 ~ 65Hz **Response Time :** 500ms
- **DIGITAL SIGNAL :**
 - **Energy pulse output :** Active energy pulse output, optocoupler isolation (5KVrms)
 - **Relay output :** One way electromagnetic relay output, including normally open and normally closed contacts, contact capacity: 3A / 30V DC, 3A / 250V AC.
 - **Digital input :** 2 dry contact input, optocoupler isolation (5KVrms)
- **COMMUNICATION :**
 - **RS485 communication :** One way RS485 communication interface
 - **Interface type:** 2 wire half duplex
 - **Communication baudrate:** 2400bps ~ 19200bps
 - **Protocol:** Modbus RTU
- **MEASURING DATA :**
 - **Harmonics :** The total harmonics of each phase of voltage and current
 - **Phase Voltage :** U1, U2, U3 and average value.
 - **Line Voltage :** U12, U23, U31 and average value.
 - **Current :** I1, I2, I3 and average value.
 - **Power :** Active power, Reactive power, Apparent power (total and per phase).
 - **Energy :** Active energy import, active energy export, reactive energy import, reactive energy export. apparent energy. If it exceeds 9999999.9kwh, the energy value will be reset to "0" automatically.
 - **Power Factor :** Including power factor PF and fundamental power factor DPF (average value of each phase and three phases).

- **MAX / MIN :**
 - **Voltage :** Per phase ▪ **Current :** Per phase
- **UNBALANCE DEGREE**
 - **Voltage :** Per phase ▪ **Current :** Per phase
- **DEMAND / MAXIMUM DEMAND**
 - **Current :** Per phase
 - **Power :** Active power, Reactive power, Apparent power (sum of all phases and three phases)
- **ACCURACY**
 - RDG: reading, FS: full scale
- **CURRENT MEASUREMENT :**
 - **Acc. Range :** $\pm 0.3\%$ rdg (0.5% FS~100%FS)
 - **Voltage :** 0.2%(30~600V AC)
 - **Grid frequency :** 0.01%(45~65Hz)
 - **Power factor :** ± 0.005
 - **Active and apparent power :** IEC62053-22 level 0.5S
 - **Reactive power :** IEC62053-21 level 2S
 - **Active energy :** IEC62053-22 level 0.5S
 - **Reactive energy :** IEC62053-21 level 2S
- **POWER :** 95~265V AC / 110~250V DC
 - **Maximum power consumption :** 3.5VA

All Specifications are subject to change without prior notice