Multifunction Power Meter

Features:

- Display current clock
- Display line voltage
- Display line current
- Display line power
- Display and memory peak line power
- Display and memory accumulative total electric quantity
- Display and memory total on time and total electric charge
- Display and memory total on time and total electric charge of price1
- Display and memory total on time and total electric charge of price2
- Display line frequency
- Display power factor
- Adjustable maximum overload current, maximum overload warning
- Adjustable price / kWh

11 combinations of day or blocks of days available as follows:

MO
TU
WE
TH
FR
SA
SU
MO, TU, WE, TH, FR
MO, TU, WE, TH, FR, SA
SA, SU
MO, TU, WE, TH, FR, SA, SU

Specifications:

Power Supply	: 230V AC to 240V AC 50 Hz
Maximum Load	: 13A, 3,120 W
Measure Voltage Range	: 200V AC to 276V AC
Measure Voltage Accuracy	: ±1%
Measure Current Range	: 0.02 to 16A
Measure Current Accuracy	: ±2% or ±0.02A
Measure Power Range	: 5 to 3,588 W
Measure Power Accuracy	: ±2%
Accumulative Electric Quantity Range	: 0 to 9,999.9 kWh
Measure Frequency Range	: 45 to 65 Hz
Clock Accuracy	: ±1 minute per month
Power Cost	: <2 W
Operating Temperature	: -10°C to +40°C
Battery	: 3 × 1.5 V LR44 / AG13
Battery Life	: About 3 months without AC power

Multifunction Power Meter

Warning!

Do not plug two or more meters together!
Indoor use only!
Not position the energy meter so that it is difficult to disconnect it from the supply!

Important

Don't plug in an appliance where the load exceeds 13A. Always ensure the plug of any appliance is fully inserted into the meter outlet. If cleaning of the meter is required, remove from mains power and wipe meter with a dry cloth

Keyboard Definition

1. Master Clear : Clear all data in memory including current time and all programs
2. UP : Set current time, price, price programs, maximum overload current combined with buttons SET; exchange 12-24 hour mode during clock display state
3. SET : Set current time, price, price programs, maximum overload combined with buttons UP
4. FUNC : Exchange display state

Battery

Insert the 3 pcs battery (LR44 / AG13) according to the correct direction indication, close the cover of battery. Press master clear button after insert battery. Now the power meter is now ready to be set up for use

⚠ Note : 1. The cover must be in place before use
2. The battery must be taken out if not use for long time

The Data Display

Press FUNC button the data displays as follows:

Voltage ac → Amperes → Watt → Maximum Watt → KWh → Total Price; Total on Time → Price1 → Price2
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1. The meter will display current clock and line voltage, frequency, if plug in socket after insert battery without any operation
2. Press **FUNC** button once and release, the meter will display current clock and line current, power factor
3. Press **FUNC** button once again and release, the meter will display current clock and real power, power factor
4. Press **FUNC** button once again and release, the meter will display maximum line power and the appear time of max. line power, power factor. Press and hold **FUNC** button for 5 seconds will clear maximum line power display during this state
5. Press **FUNC** button once again and release, the meter will display current clock and accumulative power factor,
6. Press **FUNC** button once again and release, the meter will display total on time and total electric charge
7. Press **FUNC** button once again and release, the meter will display total on time of price 1 and total electric charge of price 1
8. Press **FUNC** button once again and release, the meter will display total on time of price 2 and total electric charge of price 2
9. Press **FUNC** button once again and release, the meter will come back to display current time and line voltage. Press and hold **FUNC** button for 5 seconds to clear accumulative total electric quantity and total electric charge during display state of total electric charge or total electric charge of price 1 or total electric charge or price 2
10. LCD display ----when total electric quantity, total electric charge overflow, the **OVER** will flash at the same time

Multifunction Power Meter

Setting Current Clock

1. Press **FUNC** button until the **CLOCK** displays in LCD
2. Press **SET** button once time, The "**WEEK DAY**" will flash at same time, the clock change to **SET** mode. you can set the current clock now
3. Press **UP** button to set the "**WEEK DAY**"
4. Press **SET** button once time again and release, The "**HOUR**" will flash. The "**WEEK DAY**" will stop flashing and keep display
5. Press **UP** button to set the "**HOUR**"
6. Press **SET** button once time again and release, The "**MINUTE**" will flash. The "**HOUR**" will stop flashing and keep display
7. Press **UP** button to set the "**MINUTE**"
8. Press **SET** button once time again and release, the time come back to **CLOCK** display mode
9. Press **UP** button during the **CLOCK** display state, change 12-24 hour mode

   To reset incorrect time, repeat above steps

   After finish setting, Plug the meter into a regular 230-240 Volts power outlet, Plug in an appliance that you want to use and turn the mains power on. Now the meter begins to measure the consumption of the appliance and detect the equipment that uses too much electricity at once

Setting Price of Cost / kWh and Over Load Current

Press and hold **FUNC** button for 5 seconds during display state of voltage or current or power

1. Setting **price1**:
   a. Press **SET** button once and release, **SET** display, the first digital **COST / kWh** flash, press **UP** button to set it
   b. Press **SET** button once again and release, the second digital **COST / kWh** flash, press **UP** button to set it
   c. Press **SET** button once again and release, the third **COST / kWh** flash, press **UP** button to set it
   d. Press **SET** button once again and release, the fourth **COST / kWh** flash, press **UP** button to set it
   e. Press **SET** button once again and release, the radix point **COST / kWh** flash, press **UP** button to set it
   f. Press **SET** button once again and release, the weekday flash, press **UP** button to set it
   g. Press **SET** button once again and release, the hour of **ON TIME** flash, press **UP** button to set it
   h. Press **SET** button once again and release, the minute of **ON TIME** flash, press **UP** button to set it
2. Setting **price2**:
   Press **FUNC** button once and release after finish Setting price 1. Setting price 2, repeat above steps
3. Setting **OVERLOAD** current data:
   Press **FUNC** button once and release after finish Setting price 2
   a. Press **SET** button once and release, **SET** and **AMP** display, the first digital **MAX. LOAD** flash, press **UP** button to set it
   b. Press **SET** button once again and release, the second digital **MAX. LOAD** flash, press **UP** button to set it
   c. Press **SET** button once again and release, the third **MAX. LOAD** flash, press **UP** button to set it
   d. Press **SET** button once again and release, the fourth **MAX. LOAD** flash, press **UP** button to set it

   The **OVER LOAD WARNING** will flash when load overtop the setting data. The button function will failure. You must draw out the appliance or set the **OVER LOAD** data again

Stand by Mode

Display of LCD will disappear without any operation after AC power off for 10 seconds. Press any key come back to display

Part Number Table

Description	Part Number
Meter, Power, Multifunctional, UK	HT010PM