

WPM03 Wireless Energy Meter

The DOSS WPM03 is designed to provide accurate and reliable measurements. Before setting up the meter, please read these instructions carefully.

Main set function:

The main set work on battery, can be put on an indoor desktop, it can display the following data:

1. Display current clock.
2. Display temperature and humidity.
3. Display line voltage.
4. Display line current.
5. Display line power.
6. Display and memory each channel accumulative Kwh.
7. Display and memory greenhouse gas emission.
8. Display and memory accumulative total Kwh.
9. Display and memory total on time and total electric charge.
10. Display and memory total on time and total electric charge of price1.
11. Display and memory total on time and total electric charge of price2.
12. Receive max. 3 channel wireless remote transmitter.

Transmitter set function:

The transmitter acquisition voltage, current, power and transmit them to main set, then display on main set. Plug the remote transmitter into power socket, then plug an appliance into the transmitter. The transmitter can transmit up to 30 meters without outside interference (e.g. metal surface, electrical device, etc.)

I. Key

MODE key

SET key

PRICE key

CODE key

UP key

CLR key

CLK/ARM key

II. Operating instruction

1. Choice of display mode:

(1) Press **MODE** key, the data display line voltage, line current, line power, Kwh, greenhouse gas emission.

(2) Press **PRICE** key, the data display accumulative total Kwh, total on time and total electric charge of price1, total on time and total electric charge of price2.

2. Clock set

Press **SET** key for over 3 seconds to set week firstly, press **UP** key to set week; then Press **SET** key to set hour, press **UP** key to set hour; then Press **SET** key to set minute, press **UP** key to set minute, comeback clock display mode if no key-press operation is performed after 15 seconds or press **CLK/ARM** key.

3. Clock alarm set

Press **CLK/ARM** key under clock display mode to enter alarm display mode. Press **SET** key to set hour first, press **UP** key to set hour; then Press **SET** key to set minute, press **UP** key to set minute. Return to clock display at press of **CLK/ALM** key, and icon "🔔" will display and flicker if alarm is set.

Alarm starts at appointed time: when alarm starts at appointed time, buzzer will give off "BEEP" sound and stops after 60 seconds; press any key to stop alarm within 60 seconds. Press **CLR** key to cancel alarm during alarm setting.

4. Price set

Press and hold **PRICE** key for 5 seconds during display state of total Kwh or price.

(1). Setting price 1:

- (a). Press **SET** key once and release, **SET** display, the first digital **COST/kWh** flash, press **UP** button to set it.
- (b). Press **SET** key once again and release, the second digital **COST/kWh** flash, press **UP** button to set it.
- (c). Press **SET** key once again and release, the third **COST/kWh** flash, press **UP** button to set it.
- (d). Press **SET** key once again and release, the fourth **COST/kWh** flash, press **UP** button to set it.
- (e). Press **SET** key once again and release, the radix point **COST/kWh** flash, press **UP** button to set it.
- (f). Press **SET** key once again and release, the weekday flash, press **UP** button to set it.
- (g). Press **SET** key once again and release, the hour of **ON TIME** flash, press **UP** button to set it.
- (h). Press **SET** key once again and release, the minute of **ON TIME** flash, press **UP** button to set it.

(2). Setting price 2:

Press **PRICE** key once and release after finish Setting price 1. Setting price 2, repeat above steps.

5. Max load alarm set

Long press **MODE** key under current (**AMP**) display mode to enter Max load alarm set. Press **SET** the Max load will flash, Press **UP** key to set Max load alarm. The buzzer will give off "BEEP" sound and MAX LOAD will flash the when the load exceed the setting load, The buzzer will stop and MAX LOAD will stop flash until the load less than the setting load.

6. The scale of to **KG GAS/KWH** set

Long press **MODE** key under **KG GAS/KWH** display mode to enter scale of **KG GAS/KWH** set. Press **SET** key the **KG GAS/KWH** will flash, Press **UP** key to set Max load alarm.

The scale of **KG GAS/KWH**, you can inquire department of energy.

7. Channel-select

Channel-select: conduct channel-select for 1,2 or 3 remotes before using them. Channel-select steps:

(1)Load main set battery, long press the **CODE** key,1st channel-select, wireless reception displays1 "- :- -".Plug the 1st remote transmitter into power socket, long press the **SET** key after the LED of transmitter flash six time automatic, the 1 will display the electrical data if channel-select succeed.

(2)Short press the **CODE** key again, enter the 2nd channel-select, long press the **CODE** key, wireless reception displays2 "- :- -".Plug the 2nd remote transmitter into power socket, long press the **SET** key after the LED of transmitter flash six time automatic, the 2 will display the electrical data if channel-select succeed.

(3)Short press the **CODE** key again, enter third channel-select, long press the **CODE** key, wireless reception displays 3 "- :- -".Plug the third remote transmitter into power socket, long press the **SET** key after the LED of transmitter flash six time automatic, the 3 will display the electrical data if channel-select succeed.

Then you can place the main set up to 30m away from the remote set.

Corresponding data(**000**) will display as follow when failing to receive the remote data ,Most of the time the unit will repeating receive the remote signal till the correct data displays. However, if corresponding data(**000**) continue to occur, the following may also be the reason:

(a).The main set has been placed outside of the effective transmission range (more than 30 meters). Please move the main set closer to the remote set.

(b).The remote may have outside interference that is preventing proper transmission. Sources of the interference include but are not limited to metal surfaces, electrical devices, etc. The remote may need to be relocated if interference continues.

(c).Low battery. Please change the battery if it used for too long time, repeat the step (1), (2), (3) to reselect channel after battery change

III. Care of the product

Wipe off any dirt using a soft cloth, dipped in mild detergents, wipe off any dirt using a soft dry cloth, avoid placing the unit in prolonged direct sun, wind chill, rain or high humidity-position. Secure the units to avoid dropping-excessive force which will permanently damage the unit. Do not tamper with the internal components. Always read the instructions in full before operating the unit. Failure to follow these care guidelines will invalidate the warranty.

IV. Technical features

1	Indoor Testing temperature scope	-10 °C ~ +40°C
2	Testing temperature precision	+/-1 °C
3	Testing humidity scope	30%RH ~ 95%RH
4	Testing humidity precision	+/-5% in the range of 40%~80% +/-8% in the range of 30%~40% or 80%~95%
5	Clock precision	+/-1minute/month
6	Wireless transmission and reception frequency	RF433.92MHz
7	Effective distance of wireless transmission and reception	Maximum 30M in open space
8	Main set power supply	4.5V(3 pieces AA/UM3/LR6 size 1.5V battery)
9	Battery life	about 3 months without AC power
10	Remote power supply	240V/50Hz
11	Measure voltage range	190-276V AC
12	Measure voltage accuracy	+/-1%
13	Measure current range	0.02-10A
14	Measure current accuracy	+/-1% or +/-0.01 A
15	Measure power range	0.5-2760W
16	Measure power accuracy	+/-1% or +/-0.5W
17	Accumulative electric quantity range	0 -9999.9Kwh
18	Greenhouse gas emission range	0 -9999.9KG