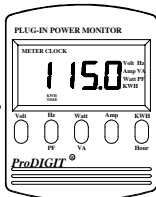# Model 2000M PLUG-IN POWER MONITOR Operation Manual

Congratulations on your purchase, and welcome to Prodigit 2000M Plug-in power monitor. This operation manual will guide you step by step for the various functions of the Power Monitor.

Warning:

- To prevent fire or shock hazard, do not expose the unit to rain or moisture.
- The operating voltage is limited to 100~115Vac 50/60 Hz, Don't use it in other voltage ratings.
- Indoor use only.
- The maximum output current is 15A.The buzzer whistles and the reading on the LCD display flashes when over current.
- To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

1. Installation: (refer to figure 7 and 8)

2000M include 7 precision digital Meter. Plug the 2000M to wall outlet, then connects the appliance or equipment to its receptacle, the LCD display will be lit after power up.

2. The LCD shows all meter readings which includes Volt, Current, Watt, Frequency, Power Factor, and VA, it starts to accumulate KWH and its duration time (hour) after power ON.
3. Press **Volt** Key for true RMS Voltage display.
4. Press **Amp** Key for true RMS output current display.
5. Press **Watt** display Watt meter, then press key to display VA meter, and active power for 1 second each automatically.
   Watt/VA Key is a toggle function Key, the LCD will show Watt is the active power, and VA is the apparent Power. (VA = Vrms Arms)
6. **HZ/PF** is a toggle function key, the LCD will show the sequence of HZ ➔ PF ➔ HZ ➔ HZ is the Frequency of output Voltage, where PF is the Power Factor (ie PF=W/Vrms Arms).
7. Press **KWH** shows the energy consumption, then press key to display the time (hour) and active power for 1 second each automatically.

KWH/Hour is a toggle function key, the LCD will show the sequence of KWH ➔ Hour ➔ KWH. Kilo-Watt-Hour (from 0.01 KWH to 999 KWH) is electronic energy. Hour is the duration time after Power On (ie from l minute ~ 9999 Hour).

8.MAINTENANCE

Protect the meter from adverse weather conditions. The meter is not waterproof. Do not expose the LCD display to direct sunlight for long periods of time.

CAUTION: To avoid damage to the meter, do not expose it to sprays, liquids, or solvents.

Clean the exterior of the meter by removing dust with a lint-free cloth.

Use care to avoid scratching the clear plastic display filter.

For further cleaning, use a soft cloth or paper towel dampened with water. You can use a 75% isopropyl alcohol solution for more efficient cleaning.

CAUTION: To avoid damage to the surface of the meter, do not use abrasive or chemical cleaning agents.

Model 2000M Specifications:

ITEM	RANGE	
RMS voltage	85.0~125.0 Vrms	
RMS current	0.00~15.00 Arms	
Active power	0~1875 Watts	
Apparent power	0~1875 VA	
Line Frequency	47.0~63.0 Hz	
Power Factor	0.00~1.00	
Energy Quantity	0.00~9999 KWH	
KWH Hour	00:00~9999	
Items	**Accuracy**	
	Max.	Typ.
RMS voltage	1%	0.2%
RMS current	1%	0.3%
Active power	2%	0.5%
Apparent power	2%	0.5%
Line Frequency	2%	±0.1Hz
Power Factor	0.03	0.01
Energy Quantity	2%	0.5%
KWH Hour	30 ppm	
Fuse Rating	0.2A/250V 3x11mm	

Note: The typical accuracy for voltage is in the range of 90V~125V ; and for current is in the range of 0.2A~15A.

Environment Condition:

- Altitude up to 2000m
- Operation temperature 5℃~40℃
- Max. R.H. 80%
- CAT Ⅱ
- Pollution degree 2

One piece type Dimension：
130.0mm(H) x 60.0mm(W) x 36.7mm(D)

Detachable type Dimension：
130.0mm(H) x60.0mm (W) x 36.7mm(D)

85.0mm(H) x 60.0mm(W) x 17.0mm(D)

Weight：145 g (one piece.),
195 g (detachable)
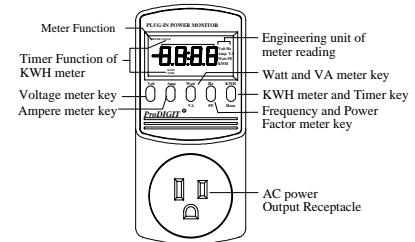
Power consumption：10VAmax
Cable Length：110 cm.
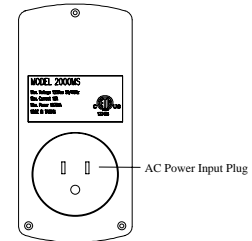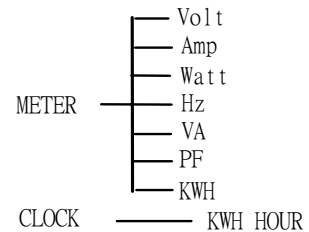
Figure 1 2000MS Front panel function description

Figure 2 Model 2000MS Rear Panel

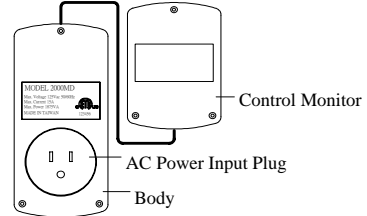Funcion Configuration Table

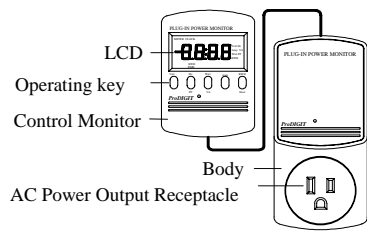Cable Length about 110 cm(3.6 feet)

Figure 3 Model 2000MD Rear Panel

LCD
Operating key
Control Monitor
Body
AC Power Output Receptacle

Figure 4 Model 2000CD Front Panel
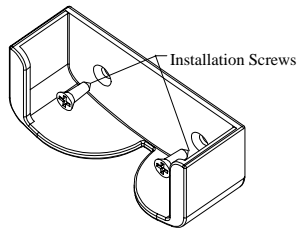
Installation Screws

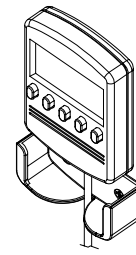Figure 5 2000MD Control Moinitor pocket Installation Diagram
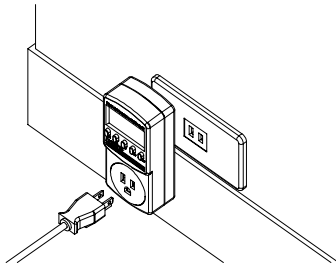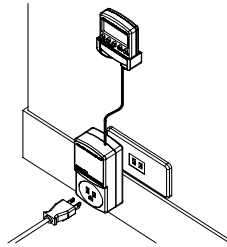
Figure 6 2000MD Contronl monitor pocket

Figure 7 2000MS Installation Diagram

Figure 8 2000MD Installation Diagram