PM-300 POWER METER
USER MANUAL

PM300 is a power meter that allows you to measure the energy consumption of electrical appliances, and by entering the electricity rate, to calculate the total cost of an appliance’s power consumption. It also detects the overload condition and usage information. To fully utilize the function of the power meter, please read the rest of the manual.

About the PM300

1. Volt Mode
Line voltage (in V) is displayed on the top pane. Press UP key to go to Current Mode.

2. Current Mode
In this mode, present current (in A) drawn by the load is displayed. Press UP key to go to MAX. Current mode.

3. MAX. Current Mode
In this mode, the maximum current is displayed. This reading will be held until another higher reading is captured and saved as the new Max. current.

Quick User Guide

MEASUREMENT
Press A(UP) key to select Voltage, Amp, Max AMP Watt, Max Watt and Overload Display.
Press B(DOWN) key to select kWh, Total Cost and Price.

SET PRICE
Press B(DOWN) key to select Price display Mode.
Press D(PRICE SET) key to enter Price Setting Mode.
Use A(UP) or B(DOWN) key to adjust price and press D(PRICE SET) key to confirm.

SET OVERLOAD WARNING
Press A(UP) key to select Overload Display Mode.
Press C(Overload) key to enter Overload Setting Mode.
Press A(UP) or B(DOWN) key to select desired W or A.
Press C(Overload) key to enter to Value Setting Mode.
Use A(UP) or B(DOWN) to adjust to desired value of Over Load Watt or Amp and press C(Overload SET) key to confirm.

CLEAR MAX LOAD
Press and hold A(UP) & C(Overload) key for 3 seconds to clear the Max Load readings and buzzer beep.

CLEAR USAGE READING
Press and hold B(DOWN) & D(PRICE SET) key for 3 seconds to clear “usage time,” and “KWh” reading, buzzer beep.

Battery
Before operating, two 1.5V (type LR-44 or AG-13) button cell batteries (included) should be installed into the unit.
• Unplug the unit from the outlet.
• Put the two batteries into the compartment while observing the correct polarities as shown on the battery compartment.
• Place the cover back onto the unit.

The two batteries serve to backup the readings and electricity rate in case of power failure or when the unit is unplugged from the outlet.

Note: If you have to leave the unit unplugged for a long period of time (more than a month), the batteries should be removed in order to conserve battery consumption.

LCD Display

1. KWh Mode
This mode displays the total accumulated energy used by the appliance (in KWh) from the start of measurement. The resolution is 0.01 KWh and the maximum is 9999.999KWh. Press DOWN key will go to Total Cost mode.

2. Total Cost mode
The accumulative energy cost used by the load is calculated. When the cost is over $999.999, there will be no decimal place, so the total cost can be shown up to $999.999. The total cost is based on the price set in Price/KWh mode. Press DOWN key go to Price/KWh mode.

3. Price/KWh mode
In this mode the price per KWh is displayed and set. The rate set here will affect “cost of the energy used”.

PM300 POWER METER
USER MANUAL

PM300 is a power meter that allows you to measure the energy consumption of electrical appliances, and by entering the electricity rate, to calculate the total cost of an appliance’s power consumption. It also detects the overload condition and usage information. To fully utilize the function of the power meter, please read the rest of the manual.

About the PM300

1. Volt Mode
Line voltage (in V) is displayed on the top pane. Press UP key to go to Current Mode.

2. Current Mode
In this mode, present current (in A) drawn by the load is displayed. Press UP key to go to MAX. Current mode.

3. MAX. Current Mode
In this mode, the maximum current is displayed. This reading will be held until another higher reading is captured and saved as the new Max. current.

Quick User Guide

MEASUREMENT
Press A(UP) key to select Voltage, Amp, Max AMP Watt, Max Watt and Overload Display.
Press B(DOWN) key to select kWh, Total Cost and Price.

SET PRICE
Press B(DOWN) key to select Price display Mode.
Press D(PRICE SET) key to enter Price Setting Mode.
Use A(UP) or B(DOWN) key to adjust price and press D(PRICE SET) key to confirm.

SET OVERLOAD WARNING
Press A(UP) key to select Overload Display Mode.
Press C(Overload) key to enter Overload Setting Mode.
Press A(UP) or B(DOWN) key to select desired W or A.
Press C(Overload) key to enter to Value Setting Mode.
Use A(UP) or B(DOWN) to adjust to desired value of Over Load Watt or Amp and press C(Overload SET) key to confirm.

CLEAR MAX LOAD
Press and hold A(UP) & C(Overload) key for 3 seconds to clear the Max Load readings and buzzer beep.

CLEAR USAGE READING
Press and hold B(DOWN) & D(PRICE SET) key for 3 seconds to clear “usage time,” and “KWh” reading, buzzer beep.

Battery
Before operating, two 1.5V (type LR-44 or AG-13) button cell batteries (included) should be installed into the unit.
• Unplug the unit from the outlet.
• Put the two batteries into the compartment while observing the correct polarities as shown on the battery compartment.
• Place the cover back onto the unit.

The two batteries serve to backup the readings and electricity rate in case of power failure or when the unit is unplugged from the outlet.

Note: If you have to leave the unit unplugged for a long period of time (more than a month), the batteries should be removed in order to conserve battery consumption.

LCD Display

1. KWh Mode
This mode displays the total accumulated energy used by the appliance (in KWh) from the start of measurement. The resolution is 0.01 KWh and the maximum is 9999.999KWh. Press DOWN key will go to Total Cost mode.

2. Total Cost mode
The accumulative energy cost used by the load is calculated. When the cost is over $999.999, there will be no decimal place, so the total cost can be shown up to $999.999. The total cost is based on the price set in Price/KWh mode. Press DOWN key go to Price/KWh mode.

3. Price/KWh mode
In this mode the price per KWh is displayed and set. The rate set here will affect “cost of the energy used”.

PM300 POWER METER
USER MANUAL

PM300 is a power meter that allows you to measure the energy consumption of electrical appliances, and by entering the electricity rate, to calculate the total cost of an appliance’s power consumption. It also detects the overload condition and usage information. To fully utilize the function of the power meter, please read the rest of the manual.

About the PM300

1. Volt Mode
Line voltage (in V) is displayed on the top pane. Press UP key to go to Current Mode.

2. Current Mode
In this mode, present current (in A) drawn by the load is displayed. Press UP key to go to MAX. Current mode.

3. MAX. Current Mode
In this mode, the maximum current is displayed. This reading will be held until another higher reading is captured and saved as the new Max. current.

Quick User Guide

MEASUREMENT
Press A(UP) key to select Voltage, Amp, Max AMP Watt, Max Watt and Overload Display.
Press B(DOWN) key to select kWh, Total Cost and Price.

SET PRICE
Press B(DOWN) key to select Price display Mode.
Press D(PRICE SET) key to enter Price Setting Mode.
Use A(UP) or B(DOWN) key to adjust price and press D(PRICE SET) key to confirm.

SET OVERLOAD WARNING
Press A(UP) key to select Overload Display Mode.
Press C(Overload) key to enter Overload Setting Mode.
Press A(UP) or B(DOWN) key to select desired W or A.
Press C(Overload) key to enter to Value Setting Mode.
Use A(UP) or B(DOWN) to adjust to desired value of Over Load Watt or Amp and press C(Overload SET) key to confirm.

CLEAR MAX LOAD
Press and hold A(UP) & C(Overload) key for 3 seconds to clear the Max Load readings and buzzer beep.

CLEAR USAGE READING
Press and hold B(DOWN) & D(PRICE SET) key for 3 seconds to clear “usage time,” and “KWh” reading, buzzer beep.

Battery
Before operating, two 1.5V (type LR-44 or AG-13) button cell batteries (included) should be installed into the unit.
• Unplug the unit from the outlet.
• Put the two batteries into the compartment while observing the correct polarities as shown on the battery compartment.
• Place the cover back onto the unit.

The two batteries serve to backup the readings and electricity rate in case of power failure or when the unit is unplugged from the outlet.

Note: If you have to leave the unit unplugged for a long period of time (more than a month), the batteries should be removed in order to conserve battery consumption.

LCD Display

1. KWh Mode
This mode displays the total accumulated energy used by the appliance (in KWh) from the start of measurement. The resolution is 0.01 KWh and the maximum is 9999.999KWh. Press DOWN key will go to Total Cost mode.

2. Total Cost mode
The accumulative energy cost used by the load is calculated. When the cost is over $999.999, there will be no decimal place, so the total cost can be shown up to $999.999. The total cost is based on the price set in Price/KWh mode. Press DOWN key go to Price/KWh mode.

3. Price/KWh mode
In this mode the price per KWh is displayed and set. The rate set here will affect “cost of the energy used”.

PM300 POWER METER
USER MANUAL

PM300 is a power meter that allows you to measure the energy consumption of electrical appliances, and by entering the electricity rate, to calculate the total cost of an appliance’s power consumption. It also detects the overload condition and usage information. To fully utilize the function of the power meter, please read the rest of the manual.

About the PM300

1. Volt Mode
Line voltage (in V) is displayed on the top pane. Press UP key to go to Current Mode.

2. Current Mode
In this mode, present current (in A) drawn by the load is displayed. Press UP key to go to MAX. Current mode.

3. MAX. Current Mode
In this mode, the maximum current is displayed. This reading will be held until another higher reading is captured and saved as the new Max. current.