

SPECIFICATIONS

Power supply	240V AC 50Hz	Measured power accuracy	+/-5%
Max. load	10A, 2400W	Measured apparent power accuracy	+/-5%
Measured voltage range	207-253V	Measured frequency accuracy	+/-0.2%
Measured voltage accuracy	+/-5%	Measured kWh accuracy	+/-1.0%
Measured current accuracy	+/-5%	Operating temperature	-10°C to +40°C

WARRANTY

Arlec guarantees this product in accordance with the Australian Consumer Law and all other applicable Australian and New Zealand laws that are unable to be excluded.

Arlec also warrants to the original first purchaser of this product ("you") from a retailer with which this document is given that this product will be free of defects in materials and workmanship for a period of 12 months from the date of purchase; provided the product is not used other than for the purpose, or in a manner not within the scope of the recommendations and limitations, specified by Arlec, is new and not damaged at the time of purchase, has been maintained in accordance with the recommendations specified by Arlec, has not been subjected to abuse, misuse, neglect or damage, has not been modified or repaired without the approval of Arlec and has not been used for commercial purposes ("Warranty").

If you wish to claim on the Warranty, you must, at your own expense, return the product, and provide proof of original purchase and your name, address and telephone number, to Arlec at the address below or the retailer from whom you originally purchased the product within 12 months from the date of purchase.

Arlec will (or authorise the retailer to) assess any claim you may make on the Warranty in the above manner and if, in Arlec's reasonable opinion, the Warranty applies, Arlec will at its own option and expense (or authorise the retailer

to) replace the product with the same or similar product or repair the product and return it to you or refund the price you paid for the product. Arlec will bear its own expenses of doing those things, and you must bear any other expenses of claiming on the Warranty.

For goods purchased in Australia (only):

The Warranty is in addition to other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For goods purchased in New Zealand (only):

The Warranty is in addition to, and does not affect, other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

Our goods come with guarantees that can only be excluded under the New Zealand Consumer Guarantees Act 1993 to the extent you are acquiring the product for a business purpose and it would be fair and reasonable for Arlec to contract out of those guarantees.



Arlec Australia Pty. Ltd. ACN 009 322 105 ("Arlec") gives the Warranty. Arlec's telephone number, address and email address are:

Customer Service: 1800 826 859

New Zealand Toll Free: 0800 003 329

Caribbean Park, 36 Lakeview Drive, Scoresby, Victoria 3179

Post Office Box 2596, Rowville, Victoria 3178

Email: custservice@arlec.com.au

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CPIN007721



PC223

Energy Cost Meter

Installation and operating instructions

IMPORTANT! PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE CONNECTING THIS METER TO ELECTRICAL APPLIANCES. WARNING: DO NOT PLUG TWO OR MORE METERS TOGETHER.

IMPORTANT

Don't plug in an appliance where the load exceeds 10 Amps. Always ensure the plug of any appliance is fully inserted into the meter outlet. If cleaning of the metre is required, remove from mains power and wipe meter with a dry cloth.

INTRODUCTION

The PC223 Energy Cost Meter measures a number of parameters of the power supply to the appliance plugged in to it. The attached appliance should not exceed 10 Amps or 2400 Watts.

BUTTON DESCRIPTION	FUNCTION
MENU	Press MENU button to toggle between the following parameter displays: Cost, Tariff, kWh, Voltage (V), Current (A), Frequency (Hz), Power (W), Apparent Power (VA), Power Factor (PF). Refer to OPERATING INSTRUCTIONS section for more information on each of the above parameters.
SET	Press SET button to edit and store Tariff and kWh parameters. Refer to SETTING TARIFF AND kWh section.
-----> <-----	Press ARROW keys to toggle between digits when setting Tariff and kWh. Refer to SETTING TARIFF AND kWh section.
+	Press + key to toggle digits between 0-9 when setting Tariff and kWh. Refer to SETTING TARIFF AND kWh section.
RST	Press and hold RST to reset the unit. NOTE: Cost, Tariff and kWh parameters are NOT reset.

READ INSTRUCTIONS CAREFULLY BEFORE INITIAL USE.

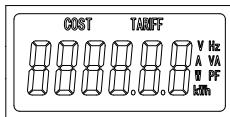
Keep in a convenient place for future reference.

This product is for indoor use only.

OPERATING INSTRUCTIONS

To turn the unit on, plug Cost Meter into a wall socket, then plug in the appliance into the socket of the meter and turn wall switch on.

The display will be on fully as shown below for approximately 3 seconds every time the unit is turned on or reset by pressing RST button. Then the display will return to the COST display.

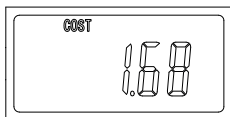


Press MENU button to toggle between the following parameter displays:

COST – displays the total cost of energy consumed by the appliance connected to the meter.

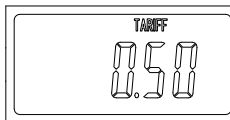
NOTES:

1. TARIFF needs to be set in order for the COST to be calculated.
2. COST value is stored in the meter even after switching off or resetting the meter. Refer to SETTING TARIFF AND kWh section on how to reset COST.



TARIFF – is the cost per kWh as charged by your energy provider. Example: if the cost per kWh as charged by the energy provider is 50cents/kWh, set TARIFF to 0.50.

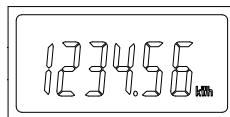
Refer to SETTING TARIFF AND kWh section on how to set the TARIFF.



kWh (Kilowatt-hour) – displays how much electricity is used by the appliance connected to the meter, measured in units of energy kWh.

NOTES:

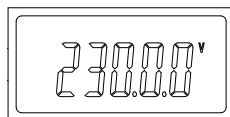
1. kWh value is stored in the meter even after switching off or resetting the meter. Refer to SETTING TARIFF AND kWh section on how to reset kWh.



Voltage (V) – displays the Voltage (V) supplied to the appliance plugged into the meter.

NOTES:

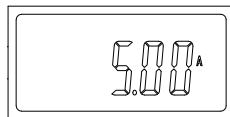
1. Typically domestic mains voltage in Australia and NZ will be approximately 220V to 240V



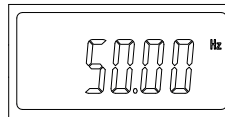
Current (A) – displays the current (measured in Amps) consumed by the appliance connected to the meter.

NOTES:

1. Do NOT plug in appliances exceeding a load of 10 Amps.



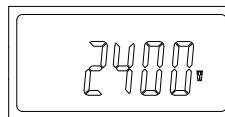
Frequency (Hz) – displays the frequency (measured in Hertz) of the supply, typically 50Hz.



Power (W) – displays the real power (measured in Watts), consumed by the appliance connected to the meter.

NOTES:

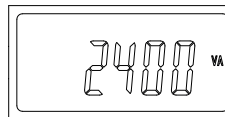
1. Do NOT plug in appliances exceeding a load of 2400 Watts



Apparent Power (VA) – displays the Apparent power (measured in VA), consumed by the appliance connected to the meter.

NOTES:

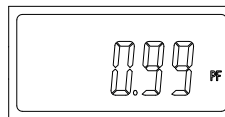
1. Apparent power can be higher than the real power (W) if the appliance connected to the meter is an inductive load such as a fan or a magnetic ballast.



Power Factor (PF) – display the power factor of the appliance connected to the meter.

NOTES:

1. Power Factor is the ratio of real power to apparent power and will typically be between 0.8 to 1.0.



SETTING TARIFF AND KWH

1. Once the meter has been turned on, press [SET]. The far right digit on TARIFF display will start to flash.
2. Press the [+] key to toggle the flashing digit between 0-9.
3. Press the [◀ ▶] key to move to the next digit to adjust.
4. Once the TARIFF is set, press the button to move to kWh setting display and follow steps 2 to 3 as above to set the kWh, then press [SET] to return back to main screen.

(NOTE: kWh can be left at 0).

RE-SETTING KWH AND COST

1. Once the meter has been turned on, press [SET] twice to go to kWh settings display. The far right digit on kWh display will start to flash.
2. Press the [+] key to change the digit to zero.
3. Press the [◀ ▶] to move to the next digit and set it to zero. Repeat until all digits are set to zero.
4. Press the [MENU] to return to main display.