

How to read your meter

EM1000 Meter

For Meter Codes 0258 & 0200

The EM1000 is Western Power's standard electronic accumulation meter for residential properties with a single phase installation (up to 100 amperes) and has the following features:

- LCD for easy viewing of recorded electricity consumption
- Programmable for all time and time of use (TOU) tariffs
- Programmable for bi-directional energy measurement
- Capable of storing interval data

1. Pulse Indicator

The light (LED) will pulse (on & off) when electricity is being consumed, and these pulses get faster as electricity consumed increases.

2. Scroll Button

This button is used to scroll the register displays in the sequence that they have been programmed on the meter. Each press of the scroll button will show the next register display.

3. Display Register

This is the display which shows the total electricity consumed, and for the smart power tariff, it will also display the electricity consumed for the different tariff rates. The meter is also programmed to display the time, date, voltage, current and power factor.

4. Optical Port

This is the meter's infrared (IR) device, where the authorised Western Power personnel download the data from the meter using an optical probe cable connected to a handheld unit (HHU).

5. Serial Number

Each meter is assigned with a unique individual serial number. The first four digits are the meter code followed by a six digit serial number.

7. Terminal Cover Seal

The terminal cover is sealed by Western Power authorised personnel after the meter is installed and wired to the network supply.

6. Main Cover Seal

The meters are sealed on the main cover at the manufacturing plant. This seal prevents unauthorised personnel from accessing the internal components of the meter.



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As the standard single-phase meter, it comes with a default program suitable for A1 and SM1 tariffs. To prevent confusion caused by meter manufacturer programs referring to import and export from the distribution network's perspective, Western Power has ceased the use of the import/export terminology. Therefore, consumed/consumption means delivered by the network to the customer, and generated/generation means received by the network from the customer. As such;

A. Meters programmed for consumption only- all time (A1) and/or time of use Smart Power (SM1)

- The meter default display is the 'total kWh consumed', which is used for A1 tariff readings. This is the default display unless the scroll button is pressed.
- The readings for SM1 tariff may be viewed by scrolling through the display selection using the scroll button.
- For each press of the button, the display scrolls/moves to the next one.
- The display sequence and corresponding information are listed below;

Description	Channel	Rate	Meter Display
Total KWh Consumed	7		00 1943
KWh Consumed Rate A (Peak)	10	A	A 000487
KWh Consumed Rate C (Off Peak)	20	C	C 000759
KWh Consumed Rate B (Weekday Shoulder)	30	B	B 000384
KWh Consumed Rate D (Weekend Shoulder)	40	D	D 0003 12
Voltage			U 2349
Current			A 0.1
Power Factor			PF -000
Display Test			AB CD 88888888
Time			11 04
Date			080806
Reverse Energy			-E N E r 94

B. Meters programmed for consumption and generation for renewable energy systems - all time (A1) and/or time of use smart power (SM1)

- The kWh consumed is energy taken from the network, and the kWh generated is the energy received by the network.
- The meter default display is the 'total kWh consumed', which is used for A1 tariff readings. This is the default display unless the scroll button is pressed.
- The readings for SM1 tariff may be viewed by scrolling through the display selection using the scroll button.
- For each press on the button, the display scrolls/moves to the next one.
- The generated values come with minus (-) signs.
- The value for the WA Net Feed-In Tariff is total kWh generated.
- The display sequence and corresponding information are listed below;

Description	Channel	Rate	Meter Display
Total KWh Consumed	7		00 1943
KWh Consumed Rate A (Peak)	10	A	A 000487
KWh Consumed Rate C (Off Peak)	20	C	C 000759
KWh Consumed Rate B (Weekday Shoulder)	30	B	B 000384
KWh Consumed Rate D (Weekend Shoulder)	40	D	D 0003 12
Total KWh Generated	47	-	-000000
KWh Generated Rate A (Peak)	50	A-	A -000000
KWh Generated Rate C (Off Peak)	60	C-	C -000000
KWh Generated Rate B (Weekday Shoulder)	70	B-	B -000000
KWh Generated Rate D (Weekday Shoulder)	80	D-	D -000000
Voltage			U 2349
Current			A 0.1
Power Factor			PF -000
Display Test			AB CD 88888888
Time			11 04
Date			080806
Reverse Energy			-E N E r 94