

# How to read your meter

## Three-Phase Meter

### For Meter Code 0540

The 0540 (L & G U3400) electronic meter is a three-phase meter for direct metering installations with a capacity of up to 100 amperes.

The first four digits of the serial number for this type of meter start with 0540xxxxxx.

The meter is programmable for time-of-use (TOU) metering, and is capable of bi-directional (consumption/ generation) measurement and recording of energy.

#### 1. Test LEDs (WH and VARh)

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

#### 2. Optical Port

This is the meter's infrared (IR) device, where authorised Western Power personnel download the data from the meter using an optical probe cable and metering software.

#### 3. LCD

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

#### 4. Nameplate Label

It shows the basic technical information about the meter and its serial number. Each meter is assigned a unique individual serial number, and the first four digits are the meter code followed by a six digit serial number.



#### 10. Phase Indicators

These indicate the active voltage presents of each phase. A, B and C.

#### 9. Communication Module Cover

It protects the communication module of the meter, and provides easy access for technician during maintenance.

#### 8. Terminal Cover

It protects the live meter terminals and screws from unauthorised access and safety of customer and personnel.

#### 5. Terminal 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.

#### 6. Alternate Display Scroll Button

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

#### 7. ARM Breaker Reconnect

This is used to control or reconnect the meter after disconnection of supply. This meter can be connected remotely via the communication module in the event of non-payment.

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#### A. Standard All Time (A1)/ Smart Power (SM1) Tariff Meter for Uni-directional (Consumption)

- The meter is programmed with normal display suitable for both A1 and SM1 tariffs.
- The LCD display registers scroll automatically every 6 seconds. If you wish to skip the current display, you simply press the left hand grey button (1) quickly to skip to next display. For each press of the button, the display scrolls / moves to the next one.
- For A1 tariff, simply read the LCD display reading on channel "07". The SM1 requires you to read channels "10, 20, 30 and 40". The display sequence and corresponding information are listed below;

| Channel/ Display ID | Channel                                | Meter Display |
|---------------------|--|---------------|
| 04                  | Time                                   | hh:mm         |
| 05                  | Date                                   | dd:mm:yy      |
| 07                  | Total kWh Consumption (A1 Tariff)      | 000000        |
| 10                  | kWh Consumption - Total Current Rate A | 000000        |
| 20                  | kWh Consumption - Total Current Rate C | 000000        |
| 30                  | kWh Consumption - Total Current Rate B | 000000        |
| 40                  | kWh Consumption - Total Current Rate D | 000000        |
| 88                  | Test Display                           | 888888        |

#### B. Standard All Time (A1)/ Smart Power (SM1) Tariff Meter for Bi-directional (Consumption/ Generation) Measurement

For A1 tariff:

- Simply read the LCD display reading on channel "07", which is your Total kWh Consumption on normal display mode, and in order to read the Total kWh Generation, press the left hand grey button (1) on the meter and hold for two seconds until "Alt 1" is displayed on the LCD display, which is the alternate 1 display mode. Once the "Alt 1" is displayed, the meter will start to scroll through the different export channels automatically pausing briefly for approximately six seconds on each display so that you can read the display reading. Record the reading on the channel "47", which is your Total kWh Generation.

For SM1 tariff:

- The SM1 requires you to read channels "10, 20, 30 and 40" from the normal display mode. In order to read the kWh generation registers/ channels, press the left hand grey button (1) on the meter and hold for two seconds until "Alt 1" is displayed on the LCD display, which is the alternate 1 display mode. Once the "Alt 1" is displayed, the meter will start to scroll through your different generation channels, automatically pausing briefly for approximately six seconds on each display so that you can read the display readings. Your SM1 generation registers are channels "50, 60, 70 and 80". The display sequence and corresponding information are listed below;

| Channel/ Display ID | Channel                               | Meter Display |
|---------------------|---------------------------------------|---------------|
| 47                  | Total kWh Generation (A1 Tariff)      | 000000        |
| 50                  | kWh Generation - Total Current Rate A | 000000        |
| 60                  | kWh Generation - Total Current Rate C | 000000        |
| 70                  | kWh Generation - Total Current Rate B | 000000        |
| 80                  | kWh Generation - Total Current Rate D | 000000        |