



Control panel

1. Display mode indicator

Bright red LED is ON when the display indicates energy cost and is OFF during normal operation

2. Memory clear button

Clears the internal memory of the instrument.

3. Energy cost constant setup button

Push to enter or exit constant setup mode

4. Energy cost constant adjustment buttons

Push and hold "up" or "down" to increment or decrement the energy cost constant

5. Energy pulse indicator

Flashes every time the instrument detects electricity usage

Modes of operation

Energy metering

No special setup is required to enter this mode. The instrument starts energy metering when connected between the appliance and the power lines. The energy pulse indicator (5) will flash faster or slower, depending on the level of electricity usage. The energy reading can be reset to zero at any time by pressing and holding CLR button (1) for 5 sec. Disconnecting the meter will not clear the reading.

Energy cost calculation

Push SET button (3). Display mode indicator (1) will start flashing rapidly. The display will show the cost constant [\$ / kWh]. You can :

- Adjust the constant by pushing the adjustment buttons (4)
- Clear the constant by pressing CLR button (2)
- Save and exit by pushing SET button (3) again

By setting the energy cost constant you will enable automatic energy calculation mode, in which the display will toggle between cost and energy indication. Display mode indicator (1) will flash every time the display shows energy cost. This mode will be disabled if the constant is set to zero.

Demo mode

Demo mode can be used to demonstrate all features without the need of an actual appliance connected to the instrument. It will start with a value close to 9.999 kWh to demonstrate the rollover to 0.1 resolution. Demo mode can be activated by pressing and holding CLR button (2), while connecting the instrument to the power lines. Disconnect power to quit demo mode.

Calibration mode

Although it is not needed, calibration may be desirable in some cases. The instrument can be set to display a true pulse count that corresponds to certain constant load conditions. The count will be locked after exact time - 1.23 minutes. The accuracy can be adjusted by a potentiometer accessed through the back side of the instrument. For more information about calibration procedure please contact Vikron E/S.