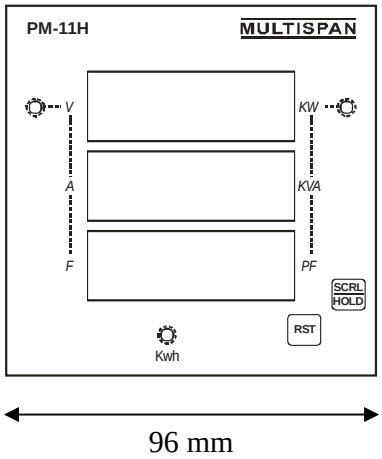
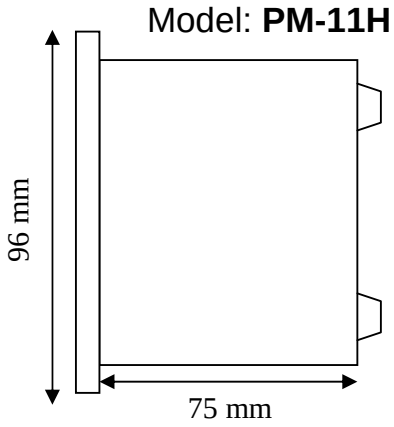
SINGLE PHASE PANEL METER

MULTISPAN





PM-11H is a Single phase panel meter specially designed to measure basic line parameters. Three line display of meter provides comfort to the user to see all parameters.

Features

- Parameters: Voltage, Current, Active Power, Energy, Power Factor (PF), Apparent Power & Frequency.
- True RMS measurement of all parameters.
- 3 line, 4 digit per line seven Segment LED display.
- CT Ratio selectable (Up to 400 / 5A).
- User can set the display in Auto scrolling or fixed screen Mode via front panel key.

TECHNICAL DETAILS

Enclosure

SIZE : 96mm X 96mm X 75mm
PANEL CUT OUT : 92mm X 92mm

Front Panel

DISPLAY : 3 line, 4 digit/line seven segment LED display
DIGIT COLOUR : Red
DIGIT HEIGHT : 0.56 inch
LED INDICATORS : For parameter under display

Parameters

Parameter Display	MEASUREMENT RANGE
Voltage **(V)**	20.0 – 300.0 V
Current **(~A)**	0 - 5A (direct without CT)
Active Power **(kW)**	0.000 – 9999 kW
Active Energy **(kWh)**	0.000 – 999999 KWh
Power Factor **(PF)**	0.20 – 1.00 PF
Apparent Power **(kVA)**	0.000 – 9999 kVA
Frequency **(Freq)**	40 - 80 Hz

Auxiliary Supply

Universal Supply 85 – 265 V AC, 47-63 Hz.

Environmental:

Temperature: 10…. 50°C operating,
Humidity: 0…95% RH condensing.

SCROLL / HOLD MODE:

- To enter into “Hold mode”, Press [SCRL HOLD] key, when required parameter is displayed on Display.
- During “Hold mode”, LED will blink.
- Press [SCRL HOLD] key again to enter into “Scroll Mode”.

CT Ratio Selection:

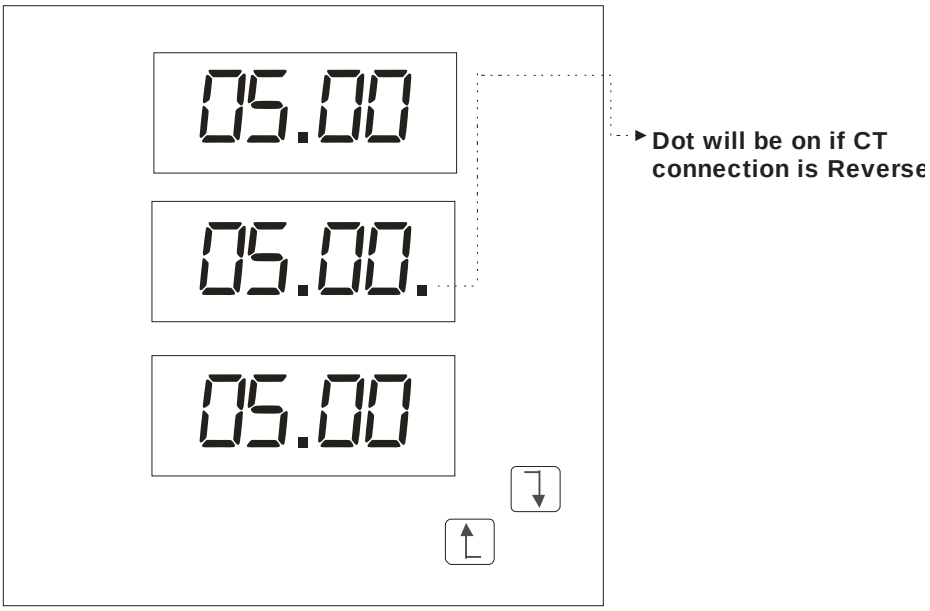
- Keep pressing front panel key for 4 Seconds. Display-1 will show Ctr. Display-2 will show current CT ratio.
- Now release the key and press [SCRL HOLD] key to change CT ratio.
- To store selected CT Ratio in non-volatile memory, release the key and wait for 5 Seconds. Instrument will automatically stores CT Ratio and starts operating normally.

Reverse Phase Indication:

- **If the CT connection is reversed, in any phase ,then instrument will display message as follows:**

If the display shows	Meaning
1234.	CT is reverse.

The dot will be displayed in 2nd display.



NOTE:

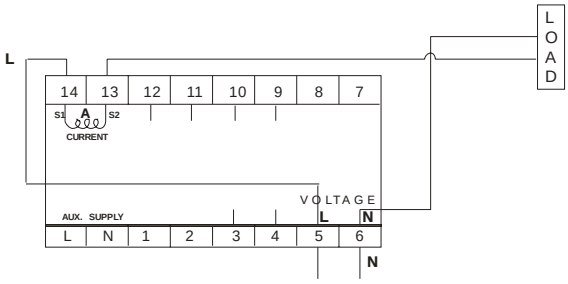
If reading of active power is greater than 9999 watt then there will be dot (.) displayed on the last digit of first display.

Example: If reading is **10000 watt** then reading will be **10.00. KW.**

TO Reset KWh

Press and hold RST key for 16 seconds and KWh value will be reset.

CONNECTION DIAGRAM:



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