

## Product Features



- Each Channel caters to a specific load / user
- Displays DC parameters V, I, KW, KWh & Load on hours of all channel.
- Displays one set old Energy readings and Communication status.
- Display Hold / Scroll Facility available.
- Programmable Shunt ratios.
- Alphanumeric display for Parameter & values
- RS-485 serial port with Modbus RTU output.
- Wide Input Voltage and current Range.
- Panel Mounting with IP 50 protection for front panel

## Specifications

Function	SNM-01	SNM-02
Rated voltage (Aux. Supply)	110 to 240 V AC/DC $\pm 10\%$	24V DC to 48V DC $\pm 10\%$
Input Voltage	80VDC to 220VDC	21V DC to 50V DC
Input Shunt Current	1A to 200A	
Accuracy		
Voltage	$\pm 0.5\%$ of FS	
Current	$\pm 0.2\%$ of FS	
Energy	$\pm 1\%$	
Resolution	0.001 KWH	
Communication	RS-485 MODBUS RTU Protocol	
Power consumption	< 5VA/3W	
Recovery Time	2 sec minimum	
Shunt mV	60mV or 75mV Programmable	
Shunt Current	1A to 200A Programmable	
Baud rate	4800, 9600, 19200bps	
Device ID	1 to 247	
Protection of configuration settings	User settable Password Ranging from 0001 to 9999	
Ambient Temperature	Operation c -10°C to + 55°C (14°F to 131°F)	
Storage	-25°C to + 80°C (-13°F to 176°F)	
Humidity	Up to 95% RH @ 40°C	
Insulation resistance	>100M ohms @ 500V DC	
Dielectric strength	a) 2.5 KV AC, 50Hz for 1 minute (Between current carrying & non-current carrying parts)	
Electrical connection	Screw type terminals with self lifting clamps.	
Dimension	96 X 96 X 117 mm (W X H X D)	

**SNM-01, SNM-02**

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

1: R Phase

2: Y Phase

3: B Phase

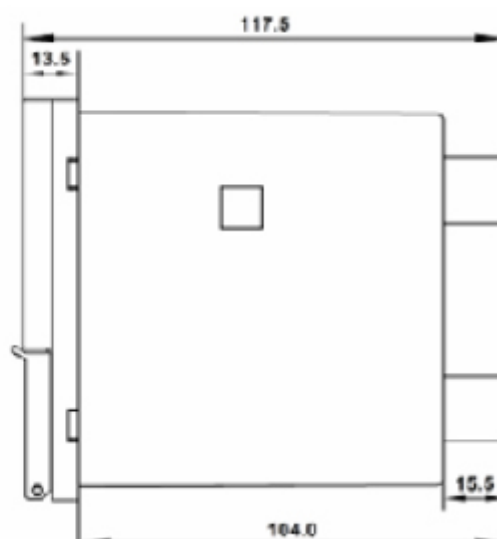
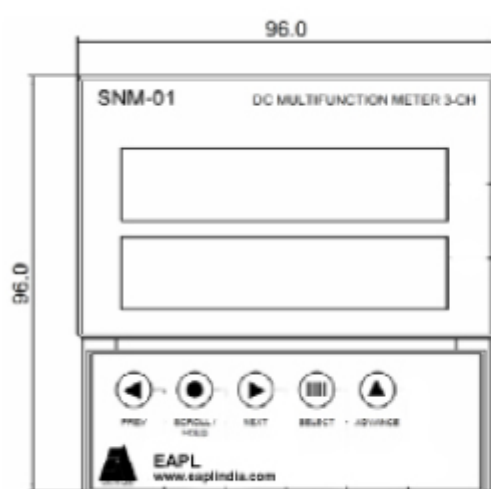
4: Neutral

9, 10: S1, S2 – R Phase

11, 12: S1, S2 – Y Phase

13, 14: S1, S2 – B Phase

15, 16: Source

**Dimensions****Accessories**

Panel locking side anchors 2 Nos.

## Hints On Correct Use

Panel locking side anchors 2 Nos.

## Caution

- If the input source voltage shoots beyond specified voltage range the unit will be damaged beyond repairs. Suitable protection for incoming voltage is recommended
  - There should be no voltage across A & B.
  - Use 2.5mm<sup>2</sup> U-type lugs with sleeve.
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