

kWH 93

TECHNICAL SPECIFICATION

Display

0.56 " 7 Segment LED Display, 1 Row, 8 Digit

LED Indication for KW & KWh

Electrical Connection : 3P4W

Rated Input Voltage

30 to 300V AC (L-N) , 50 to 520V AC (L-L)

Rated Input Current

Nominal 5A (Min-50mA, Max-5A)

Frequency Range : 50/60 Hz

CT Primary: 5A to 6000A (Programmable for in Steps of 5)

CT Secondary: 1A / 5A (Programmable)

PT Primary: 415V,440V,2.2KV,3.3KV,6.6KV,11KV,22KV,33KV,66KV

PT Secondary: 110V / 415V AC

Display Update time: 1 Sec for all parameters

Display Scrolling: Auto or Manual (Programmable)

Aux Supply: 100 to 270V AC,50/60 Hz

Power Consumption: <4VA AC

Resolution

Power & Energy resolution depends on CT & PT

Environmental Conditions

- Indoor use
- Altitude of upto 2000 meters
- Pollution degree II
- Temperature : Operating: 0° C to 55° C
Storage : 0° C to 75° C
- Humidity : Upto 85% RH

Protection Class : II

Mounting : Panel Mounting


Weight : 300 gms

PARAMETERS & ACCURACY

Parameters	Accuracy
Active Power L1	±0.5%
Active Power L2	±0.5%
Active Power L3	±0.5%
System Active Power	±0.5%
Active Energy	Class 1

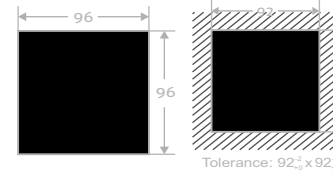
TERMINAL DIAGRAM

AUTO / MANUAL SCROLL MODE

Press the  for 4 sec. to toggle between Auto and manual scroll mode.

By default device operates in auto mode. In auto scroll mode online pages would scroll automatically at the rate of 5 sec. per page. In automatic mode when any key is pressed, unit temporarily switches to manual mode and the appropriate page is displayed, also if no key is pressed for 5 sec., unit resumes automatic mode.

MECHANICAL DIMENSIONS



Front View

Panel Cutout

For installing the meter

1. Prepare the panel cutout with proper dimensions as shown above.
2. Push the meter into the panel cutout. Secure the meter in its place by fitting the screws on the rear side. Fit the clamps on both the sides in diagonally opposite location for optimum sealing.
3. For proper sealing, tighten the screws evenly to the required torque.

Terminal screw tightening torque:

0.68 Nm to 0.79 Nm (6.018In-Lb to 6.992 In-Lb)

Screw clamp tightening torque: 0.1N-m (0.885 Lb-inch)

SAFETY PRECAUTIONS :

All safety related conditions, symbols and instruction that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

- ◆ Do not use the equipment if there is any mechanical damage
- ◆ Ensure that the equipment is supplied with correct voltage

If there is physical damage to the unit then do not use it.

Read complete instruction prior to installation and operation of the unit.

Wiring Guidelines:

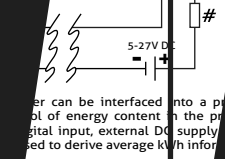
CAUTION:

- 1) To prevent the risk of electric shock during installation, the equipment must be disconnected from the power supply before wiring arrangement.
- 2) Wiring should be done according to the terminal layout with the shown terminal numbers. Confirm that all connection are correct.

er

N V1 V2 V3

PULSE O/P



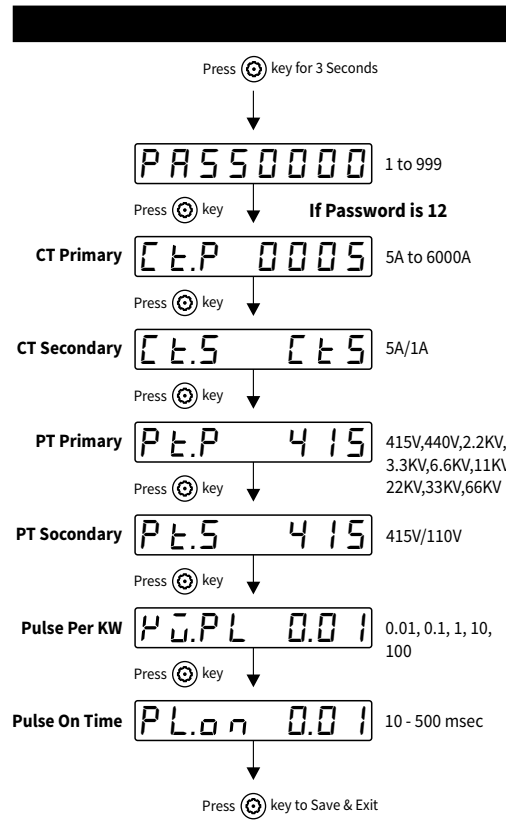
er can be interfaced into a p
ol of energy content in the p
igital input, external DC supply
sed to derive average kwh inform

S2 S1

***Note:** If the device stays in idle condition while inside the **Configuration Menu** for more than 60 seconds, it will automatically exit the configuration menu.

***Installation Note:**

It is been advised that the settings should be done by a professional, after going through user operating manual and after having understood the application.



Designed & Manufactured in India

Product upgradation is a continuous process. Hence, data in this manual is subject to change without prior notice.

For latest information, please get in touch with our Sales Office

