

E-GEM Series - Panel Meter



1. Introduction

E-GEM series meters are single/three phase panel meter with True RMS Measurement , High glow display for distant viewing, Programmable CT Ratio & selectable 1A / 5A CT Secondary.

2. Features

- True RMS Measurement
- High Glow Display For Distant Viewing
- Programmable 1A/5A Site Selectable
- Accuracy Class 1.0 Of Reading
- Programmable CT Ratio

3. Model Selection

Model	Voltage		Current		
	L-L	L-N	I1	I2	I3
E-GEM-3V	■	■	x	x	x
E-GEM-1V	x	■	x	x	x
E-GEM-3I	x	x	■	■	■
E-GEM-1I	x	x	■	x	x

4. Technical Specification

Measurements

Voltage : L-N, L-L

Current : I

Accuracy Class : $\pm 0.5\%$ FS $\pm 0.5\%$ of Reading

Input Range : 130-520V (L-L) **(E-GEM-1-V & V-3 only)**

Current Range : 50mA to 6.0A AC **(E-GEM-I-1 & I-3 only)**

Over Current : 10A Continuous **(E-GEM-I-1 & I-3 only)**

Current Withstand : 50A for 3 seconds **(E-GEM-I-1 & I-3 only)**

Voltage Withstand : 1000V **(E-GEM-1-V & V-3 only)**

Over Voltage : 550V (L-N) **(E-GEM-1-V & V-3 only)**

Resolution : 4 digit display with auto decimal scrolling

Auxiliary Supply : 130-300V

Temperature : Working : -10 to 70°C

: Storage : -20 to 75°C

Humidity (non condensing) : Upto 85% RH

Mounting : Panel / Flush Mounting

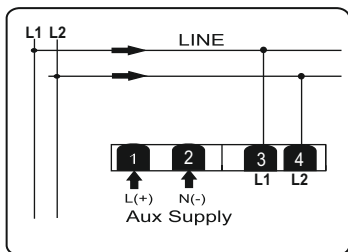
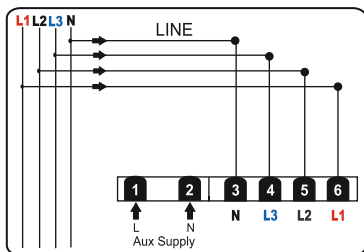
Display : 4 digit single row

5. Setting Range

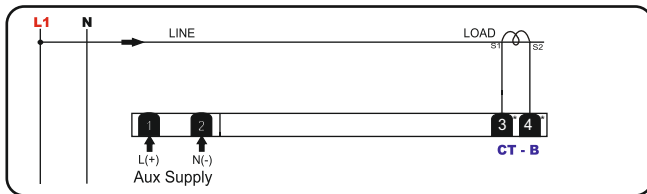
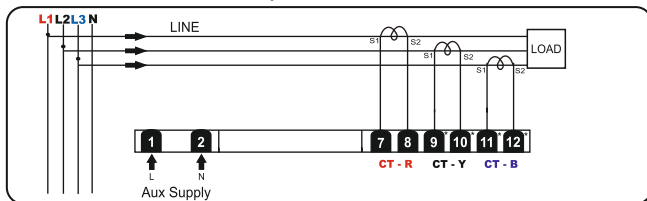
CT Primary (E-GEM-I1, I3) 1A TO 9999A (programmable for any value)

CT Secondary (E-GEM-I1, I3) 1A TO 10A (programmable for any value)

6. Connection : E-GEM-V3 | E-GEM- V1



7. Connection : E-GEM-I3 | E-GEM- I1



8. Setting Procedure :

Enter the parameter mode by pressing \Rightarrow button for 3 sec

Display will show CtPr

Press \uparrow & \Rightarrow button for 3 sec. display will show default (CT primary value) CtPr value as 0005

Value can be increased by pressing \uparrow button

To go to the next digit press \Rightarrow button

Press \uparrow & \Rightarrow button for 3 sec. to go to the next menu (CT Secondary).

Display will show CtSr

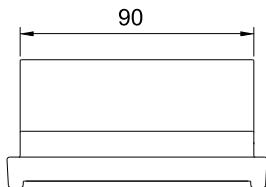
Press \uparrow & \Rightarrow button for 3 sec. display will show default (CT Secondary value) CtSr value 05

Value can be increased by pressing \uparrow button

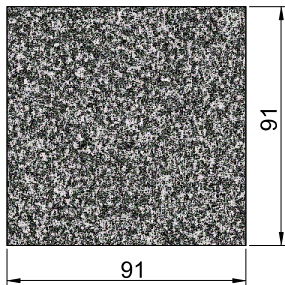
To go to the next digit press \Rightarrow button

Press \uparrow & \Rightarrow button for 3 sec. to go to main display.

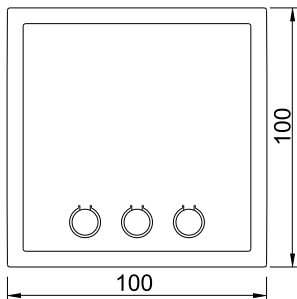
9. Dimensional Detail



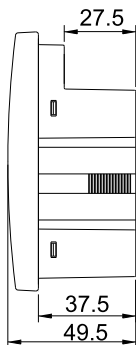
Top View



Panel Cutout



Front View



Side View

All dimensions are in mm.

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