



E-GEM Series-Single Phase Panel Meter



Installation Guide

Rev.-01

1. Introduction :

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

2. Model Selection Chart :

MODEL	Single Phase Voltage	Single Phase Current
E-GEM-1-V	■	
E-GEM-1-I		■

3. Technical Specification :

Measurements*

Voltage	:	L-L / L-N
Current	:	I
Accuracy class	:	± 0.5% FS ± 0.5% of Reading
Input Range	:	130-520V (L-L) (E-GEM-1-V only)
Current Range	:	50mA-6.0A AC (E-GEM-1-I only)
Over Current	:	10A continuous (E-GEM-1-I only)
Current withstand	:	50A for 3 seconds (E-GEM-1-I only)
Voltage withstand	:	1000V (E-GEM-1-V only)
Over Voltage	:	550V (L-N) (E-GEM-1-V only)
Resolution	:	4 digit display with auto decimal scrolling
Auxiliary Supply	:	130V - 300V
Temperature	:	-10 to 70°C
Storage	:	-20 to 75°C
Humidity (non-condensing)	:	Upto 85%RH
Mounting	:	Panel Mount
Display	:	4 digit Single Row

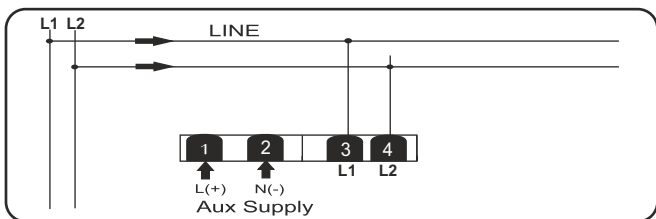
4. Setting Range :

CT Primary (E-GEM-1-I only) : 1A to 999A (Programmable for any value)

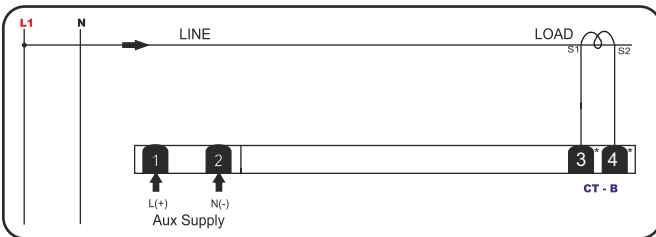
CT Secondary(E-GEM-1-I only): 1A to 10A (Programmable for any value)

5.1 Connection : E-GEM-1-V

5. Terminal Connection :



5.2 Connection : E-GEM-1-I



6. Setting Procedure :

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

Display will show CTPr

Press \uparrow button display will show default CTPr value 0005

Value can be increased by pressing \rightarrow button

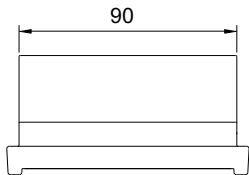
Press \uparrow button to go to next menu (CT Secondary).

Display will show CT5r

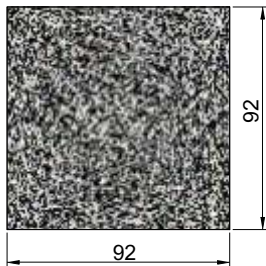
Press \uparrow button display will show default CT5r value 0005

Value can be increased by pressing \rightarrow button

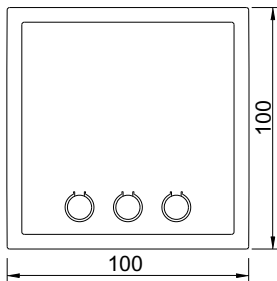
7. Dimensional Detail :



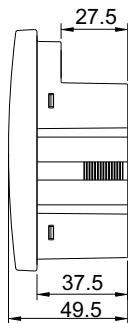
Top View



Panel Cutout



Front View



Side View

All dimensions are in mm.

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