



----- WATTHOUR WIZARDS

# Electronic Energy Meter

## EM-34 (Self Powered)

- ➡ 6 digits Mechanical, non resettable stepper Counter Display.
- ➡ Individual phase reversal & current reversal indication.
- ➡ Optically Isolated Open Collector pulse output.

# Electronic Energy Meter

## EM-34

### Features

- ➔ Accuracy Class 1% as per IEC 61036 / IS 13779 (0.5 optional).
- ➔ CT ratio programmable on site.
- ➔ Accurate reading for balanced as well as unbalanced loads.
- ➔ Accurate reading even under rapid current fluctuations.
- ➔ Finger proof terminal cover (optional).
- ➔ No mechanical wear & tear.

### SETTING TABLE : CT RATIO

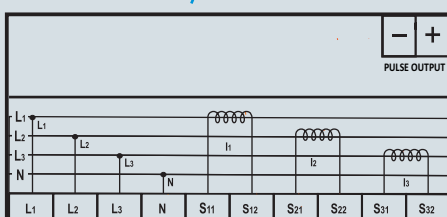
5/5A, 10/5A, 20/5A, 30/5A, 40/5A, 50/5A, 60/5A, 75/5A, 100/5A, 150/5A, 200/5A, 250/5A, 300/5A, 400/5A, 500/5A, 600/5A, 800/5A, 1000/5A, 1200/5A, 1250/5A, 1500/5A, 1600/5A, 2000/5A, 3200/5A, 5000/5A.

### Electrical Characteristics

Parameters		
Type	Name	Statistics
Operating Characteristics	Auxiliary Supply	Self Powered
	System	Designed for 3 $\phi$ 4wire, 3 $\phi$ 3wire, 1 $\phi$ 2wire.
	Voltage Input	110 to 550 V AC (L-L)
	Current Input	5A or 1A AC
	Starting Current	0.2% of rated current.
	Operating Frequency	45 Hz to 65 Hz.
	Operating Power Factor	0.5 lag - Unity - 0.8 Lead.
	Burden	0.4VA per phase
	Type of Measurement	True RMS
Casing	Terminal Board	Glass Filled Plastic, With Self Lifting Screws
	Case	Glass Filled Plastic, as per DIN 43700
	Clamps	Glass Filled plastic, easily mountable
Mechanical characteristics	Weight	250gm (approximately)
	IP Degree of Protection	Front : IP 52; Back : IP 20
	Dimensions	Front : 96x96 mm (bezel size); Depth : 54mm. Panel cut-out : 92x92 mm
Environment	Temp	-10°C to 55°C
	Storage	-10°C to 70°C
	Humidity	up to 95% RH

### Connection Diagram

#### 3 $\phi$ 4wire



#### 1 $\phi$ 2wire

