



ELECTRONIC ENERGY METER (kWh)

NIPPEN electronic energy meter is panel mounting type innovative energy monitoring device having the state of the art electronic microcontroller circuitry for reliability and accuracy. It can be used for 1Ø / 3Ø balanced and unbalanced loads.

There are 3 models to choose

- 1) Counter type Model EM 34
- 2) Digital LCD type Model EM34L
- 3) Digital LCD type model EM-34D for EB & DG

ADAPTABILITY

- Easy to install and use.
- Elegant International Styling.
- Unique service support.
- Suitable for 1Ø / 3Ø 3W / 3Ø 4W Electrical system

FEATURES

- True RMS measurements.
- CT /PT Ratio-site selectable
- Isolated open collector pulse output available for PLC, SCADA & DCS
- 3Ø 4W & 3Ø 3W selection using Jumpers
- Tamper proof.
- Low VA Burden.
- No mechanical wear & tear.

Reset & Password Protection (EM34D)

ENERGY MANAGEMENT SOFTWARE (RS485/RS232 WIRED)

- Adaptable to change in tariff structure.
- Loss assessment
- Feeder wise consumption report
- Check tariff bills from SEBs/ utilities.
- Power quality
- Reduction in Electricity Bills-result in indirect saving.
- Option of Interface & control through internet
- System planning

SYSTEM

- Auxiliary Supply : Self-Powered.
- Voltage Input : 80V to 440 VAC.
- Current Rating : 5or 1Amp AC
- Starting Current : 0.2% of rated
- Type : 1Ø/ 3Ø-2EL-3W /3Ø 3EI-4W.
- Operating frequency : 45Hz to 55Hz.
- Operating P.F : 0.5 lag- Unity- 0.8 Lead.
- VA Burden : < 8VA

DISPLAY

- 6 digits for counter type meter (EM-34) / 8 digits for LCD Model

REF. STANDARDS

- Conforming to IS 13779 / IEC 1036

ACCURACY CLASS

- 1.0 (on request 0.5)

COMMUNICATION (OPTIONAL)

- RS 485 / RS 232 standard MODBUS RTU with/without software

CASING

- Case : G.F. Polycarbonate as per DIN 43700
- Terminal Board : G.F. Polycarbonate with Lifting M4

ENVIRONMENT

- Temperature 0 to 55°C
- Storage : - 10 °C to +70°C

DIMENSION

- Front : 96 x 96 mm
- bezel size
- Depth : 82 mm
- Panel Cut-Out: 92 x 92 mm

APPLICATION

- Genset Electricity Boards Distribution
- Control Panels Power

UNIQUE SERVICE SUPPORT

- Free replacement within warranty
- Only component costs charged beyond

ADVANTAGES

- Easy to wire • No auxiliary supply Easy to set-up
- Since CT ratio is user selectable, a single meter can be used for all applications

CONNECTION DIAGRAMS

