

## Energy Metering Range

### Single & Three Phase Energy Meter

- ✦ Range 5-30 Amp, 10-60Amp, 240 volt - 40% to + 330%  
50 Hz  $\pm$  5%
- ✦ Accuracy Class 1.0 with CBIP 88 / IS : 13779
- ✦ Optical Communication Port with LCD display
- ✦ Tamper Proof
- ✦ Operating Temp. - 100C to + 600C
- ✦ Humidity Upto 95% non Condensing
- ✦ Burden Less then 5VA
- ✦ Billing History
- ✦ Multifunction



Three Phase Energy Meter

## Technical specification

### Technical Specification For Prepaid, Street Light, Surge Controllers & Energy Meter

|   |                                |                                  |   |
|---|--------------------------------|----------------------------------|---|
| <b>CONNECTION</b>   | 1 Phase 2 Wire, 3 Phase 4 Wire | <b>MECHANICAL 1 PHASE</b>        |   |
| <b>COMPLIANCE</b>   | Is13779                        | Dimensions (mm)                  | 205 x 137 x 80 (Approx)   |
| <b>ACCURACY</b>   | Class 1.0                      | Enclosure Material               | Engineering Plastic   |
| <b>POWER SUPPLY</b>   |                                | Degree of Protection             | IP51(IP53 option)   |
| Rated Voltage*  | 240V -40% to +30%              | Weight                           | 600 gms (approx)  |
| Rated Frequency   | 50/60 Hz $\pm$ 5%              | <b>MECHANICAL 3 PHASE</b>        |   |
| <b>CURRENT RANGE 10-60A, 1 Ph. 5-30 Amp.<br/>3 Ph. 10-40 Amp.</b> |                                | Dimensions (mm)                  | 255 x 170 x 70 (Approx)   |
| <b>ENVIRONMENTAL</b>  |                                | Enclosure Material               | Engineering Plastic   |
| Operating Temp.   | -10° C to +60° C               | Degree of Protection             | IP51(IP53 option)   |
| Limit Temp. Range of Operaton                                     | -20° C to +70° C               | Weight                           | 900 gms (approx)  |
| Limit Temp. Range of Storage &Transport                           | -20° C to +80° C               | <b>COMMUNICATION</b>             | Galvanically Isolated Optical Port for local/remote communication |
| Relative Humidity   | Up to 95% non-condensing       | <b>TIME CLOCK &amp; CALENDAR</b> |   |
| <b>DISPLAY</b>  | LCD display (Backlit option)   | Normal power source              | Main supply   |
|   |                                | RTC Backup source                | Lithium Battery   |
|   |                                | Battery Life (Typical)           | 10 years  |
|   |                                | Min. Shelf Life (Typical)        | 5 years   |

### Wiring Diagram

