L&T Electrical & Automation

# Single Phase Smart Meter
# Aurora


- Complying to IS 16444 Part 1
- Full smart functionality
- Communication options including optical, RF and GPRS
- Load connection/disconnection via relays in phase and neutral
- Tamper alerts available
- Data logging for instantaneous parameters, billing parameters and energy backups
- Event logging with active energy, voltage and current snaps available
- Power fail alerts (Last Gasp)

**L&T Meters®**

THE RIGHT MEASURE

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THE RIGHT MEASURE

## Specifications

| | |
|---|---|
| Connection | 1 Phase 2 Wire |
| Standards Applicable | IS 16444 Part 1 |
| Accuracy Class | Cl 1.0 |
| Rated Voltage | 240V (P-N) |
| Voltage Variation | -40% to +20% |
| Current Rating | 10-60 A |
| Starting Current | 0.2% of basic current |
| Accuracy up to | 120% of maximum current |
| Frequency | 50Hz |
| Frequency Variation | -5% to +5% |
| Power Consumption | As per IS 16444 Part 1 |
| Operating Temperature | -10°C to +55°C |
| Ingress Protection | IP 51 |

## Supported parameters (As per customer requirement)

| | |
|---|---|
| Instantaneous | Voltage, phase and neutral Current, PF, active power, reactive power and apparent power Frequency |
| Energy Measurement | 4 quadrant measurement of kWh, kVArh, and kVAh |
| Maximum Demand | kW and kVA along with date and time |
| Time of Day | Up to 4 registers, profiles and seasons |

## Display

| | |
|---|---|
| LCD | 8 digit backlit display |
| LCD Indicators | Indication for relay status and tampers |
| Display mode | Auto scroll, push button and high resolution modes |
| LED | Pulse LEDs for kWh and KVArh |

## Smart Features

| | |
|---|---|
| Alarms and alerts | Alarm/alert for power on/off, over voltage and over current |
| Load control | Disconnection provided for:<br>Over current and Over load conditions<br>For selected tampers<br>Disconnection signal from utility |
| Relay | Provided in both phase and neutral complying to IS15884 with UC1/UC2/UC3; status available on display and data downloading; connection/ disconnection are logged as events |
| Data security | Multi-level password for data reading and programming |
| Communication | Optical port for local communication with DLMS<br>NAN over 865-867 MHz RF complying to IS 15959 Part 2<br>Inbuilt GPRS Modem |
| Prepayment | Prepaid function as per IS15959 Part 2 (optional) |

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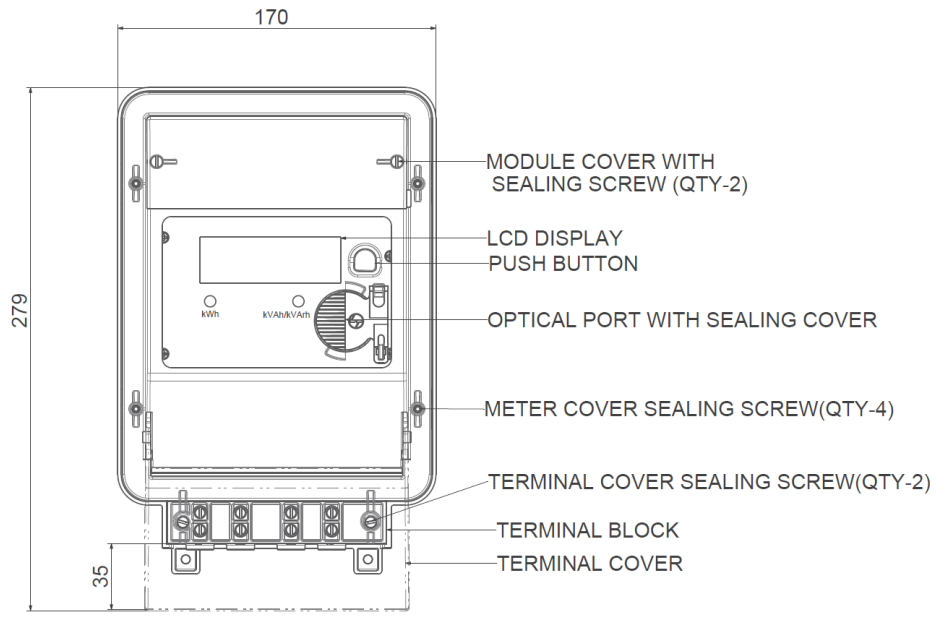
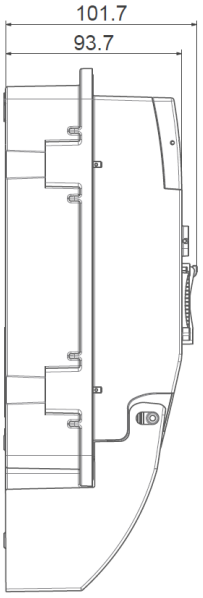



FRONT VIEW




SIDE VIEW

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