



## Sampoorna

Thread Through Metering Solution  
For Distribution Transformer

Genus Sampoorna, thread through Metering Solution, enhances the overall DT/LT Metering efficiency upto Class 1.0. The product with integrated measuring & communication (optical / GSM / GPRS / LPRF) feature facilitates reliable local & remote communication. The meter has internal battery back-up for reading in the event of power outage.

### APPLICATION

- Suitable both for Consumer & Distribution Transformer Metering with wide range of Current rating (40-200Amps)

### FEATURES

- Integrated Energy measurement and Communication System
- Galvanically isolated Optical / GSM / GPRS Compatible port for local & remote communication
- Supported by an intuitive and user friendly client server based software solution for online data monitoring & audit
- Internal Battery Backup for meter reading in the event of Power Outage
- Configurable parameters viz. TOU tables, Maximum Demand Integration Period, persistence time for tamper registration and restoration, apparent calculation method

### BENEFITS

- Based on Thread through Model for ease of installation
- Overall System Class of accuracy 1.0 as compared to systems with discrete parts where inaccuracies may combine to give a large overall inaccuracy



Existing LT-CT Metering System



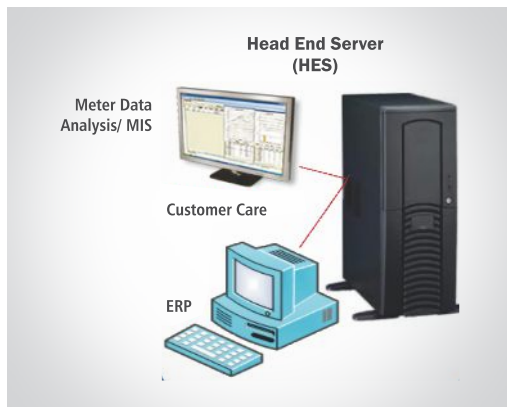
Genus "SAMPOORNA"

## TECHNICAL SPECIFICATIONS

- Voltage Rating 3X240 Volt
- Current Rating 40-200 Amp
- Class of Accuracy 1.0
- Compliance IS: 13779 / IEC 62053 - Active / Reactive 21/23 U DLMS/COSEM compliance
- Measurement of /Apparent Energy/Demand
- Measurement & Storage of Load Profile, Bill History with kWh, kVAh, kVAh lag/lead, Average Voltage, Currents & frequency for Demand Integration Period
- Detection & Storage of Tamper and Transaction Events

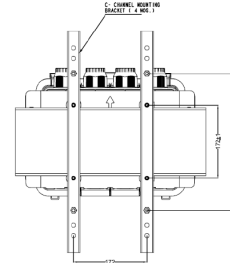
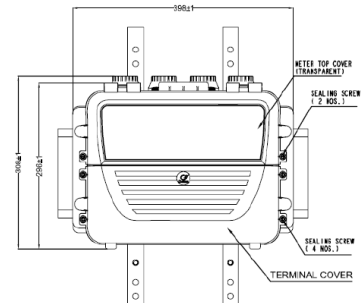
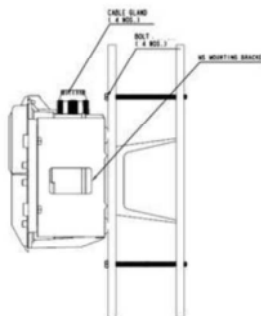
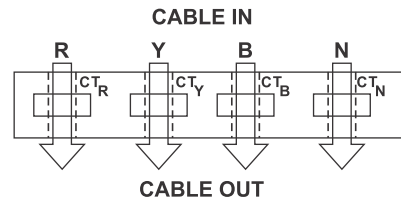
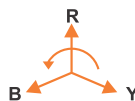
## COMMUNICATION: In-built GSM / GPRS Module

### HEAD END SYSTEM - WEB BASED SERVER APPLICATION



#### Note:

1. Do not remove insulation from cable
2. The cable must enter from the top side only
3. Ensure that voltage & neutral tapping screws are tightened properly



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