

TMS™ Overhead Transformer Meter



*Quickly install with Piercing Voltage Connectors
Communicate Data through Secure Radio Protocol
Identify Power Diversion Locations
Review Inefficient Load Profiles
Drive by Deployed Meters for Instant Download*



The SensorLink Transformer Meter provides utility groups with precise information to quickly identify inefficient Transformer loading due to power theft, without the requirement of Advance Metering Infrastructure.

The drive-by Transformer Meter is designed to capture the following parameters:

- Accumulated kilowatt hours
- Average Volts
- Average Amps
- Average Kilowatts

Approximately 330 days of interval data is stored on the system. Using secure radio protocol, this stored data is downloaded while the meters are still deployed on the Transformer.

The secure radio communication between the deployed Transformer Meters and a computer uses point-to-point radio technology. This standards based, non-licensed wireless network solution supports low power consumption, security, and reliability. The radio in the Transformer Meter communicates to a USB radio transceiver that is connected to the user's laptop. The transceiver quickly connects for easy communication of setup parameters and data download.

The Transformer Meters easily install on the secondary of a pole mounted Transformer. The open core CT allows for installation while the transformer is energized. The meters employ a low voltage, insulation piercing connector that securely attaches the sensor to the

conductor. This voltage connection supplies the voltage measurement and the power to operate the Transformer Meters.

SensorLink's Steelhead Software is a customized user interface for the setup, download, and review of the recorded data. Data may also be saved to a .csv file for uploading and review in other software programs.

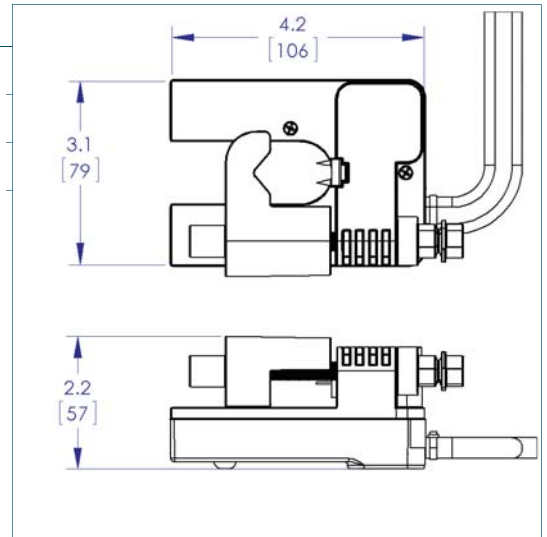
**Preliminary Specifications: features and specifications subject to change without notice.*

Applications

Power Diversion studies

Transformer Loading

Meter verification



Overhead Transformer Meter

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Model Number	950 Overhead Transformer Meter
Type	Single phase, poletop transformer meter
Range of Operation	
Voltage	100 - 300 VAC
Current	1 - 700 Amps
Resolution	
Voltage	0.1 V
Current	0.1 A
Watts	0.1 kW
KWH	0.1 KWH
Accuracy	
Current 1 A to 3 A	0.5% ± 2 digit
Current 3 A to 700 A	0.5% ± 1 digit
Voltage	0.5% ± 1 digit
KWH	1% ± 1 digit
Radio	
Type & Band	ISM 2.4 GHz
Transmit Distance	300 Feet (100 meters)
Transmit Power	63 mW (18 dBm)
Transmit Power (EU & Japan)	10 mW (10dB)
Mechanical	
Weight	1.5 lbs (0.68 kg)
Sensor Opening	1 inch (25 mm)
Conductor Range	1/0 to 600 kcmil
Max Insulation Thickness	Up to 100 mils (2.5 mm)
Power	
System	Line Powered
Clock Battery Backup	14 days
Battery	2 each CR2032 Lithium coin cells
Logging Capacity	330 days @ 5 min intervals
Software Requirements	Windows XP (SP3), VISTA, Windows 7, & Windows 8

