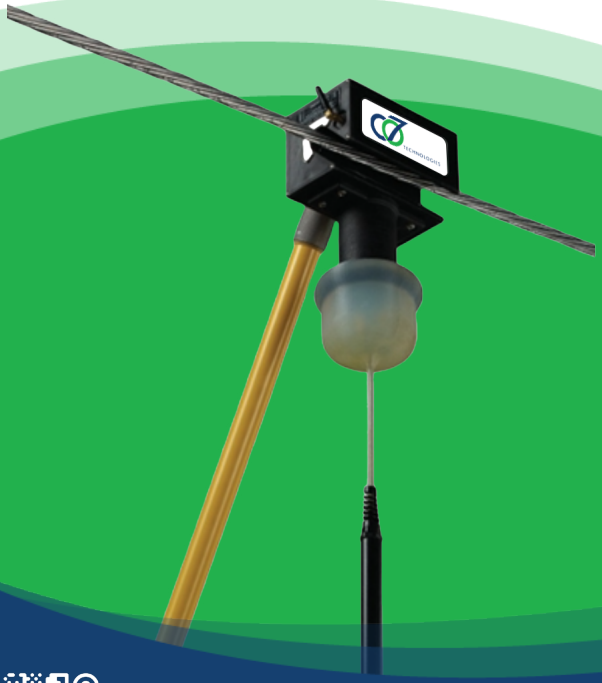


LineWatch™
Powering Grid Awareness

LineWatch LLT

Medium Voltage Live Line Tester

LineWatch LLT (Live Line Tester) is the most accurate hot stick power meter on the market for the distribution grid. It serves as a highly precise, standalone, and quick reference tool for measuring phase-to-neutral voltage, phase current, and power flow on live distribution lines.This fully automated system simplifies the calibration process of LineWatch M sensors, providing fast and precise voltage and phase angle calibration directly in the field. LLT ensures unparalleled accuracy for field technicians and is designed for ease of use, improving overall efficiency in live line

High Accuracy
0.1% class precision for voltage measurements, with 0.5% for current and 0.6% for power factor, ensuring reliable, on-site data.

Most Accurate Hot Stick Power Meter
LineWatch LLT the most precise hot stick power meter on the market, delivers real-time, accurate measurements of real and reactive power and phase angle, ensuring clear visibility into high-voltage system performance for efficient live line testing and decision-making.

Multi-Functionality
LineWatch LLT combines voltage and current measurement into a single, portable device, simplifying the testing process and eliminating the need for multiple tools in the field. Real and reactive power flow measurements.

Automated Calibration Tool
LineWatch LLT is a tool designed for automated calibration of in-field MV sensors, ensuring accurate voltage and phase angle measurements.

Wireless Communication
Connect tablets or laptops wirelessly for real-time monitoring via the 2.4GHz ISM Band, providing flexibility in the field.

CALIBRATION

LineWatch LLT is used for automated voltage calibration of LineWatch M sensors in medium-voltage power distribution lines.

The process involves installing sensors, connecting the RF dongle to a tablet, and using the Auto-Calibrating application.

LineWatch LLT is placed on the line to measure voltage and phase angle, and calibration is initiated through the application.

LineWatch LLT the automatically synchronizes and calibrates the sensors within two minutes, confirmed by green indicators.

C7 TECHNOLOGIES

Technical Specification			
Measurement Voltage	4kV - 34.5kV	**Rated Current**	400 Arms
Voltage Withstand	IEC 60044-7:1999 35kV class, 70kV Power Frequency, 170kV BIL	**Maximum Current**	600 Arms
Voltage Accuracy	± 0.1%	**Current Accuracy**	± 0.5%
Phase Angle Accuracy	± 5 Arc Minutes	**Conductor Sizes**	#2 AWG to 447 kcmil
Power Accuracy	± 0.6%	**Weight**	5.6 lbs
Electrical Frequency	50 and 60 Hz	**Operating Temperature**	-20°C to 30°C
Update Rate	5 seconds	**Ingress Protection**	IP 65
Radio Frequency	2.4GHz ISM Band	**Storage Temperature**	-40°C to 85°C
Communication Range	50 ft	**Humidity**	0% to 95% RH

APLICATIONS

Capacitor Bank Management
Measure voltage, current, and power factor at capacitor banks to ensure optimal reactive power compensation.

Transformer Testing and Monitoring
Use LLT to check the real-time power flow, phase angle, and current at MV transformers during maintenance.

Grid Performance Verification
Perform spot checks on phase-to-neutral voltage and current on MV lines to confirm the integrity of the distribution grid.

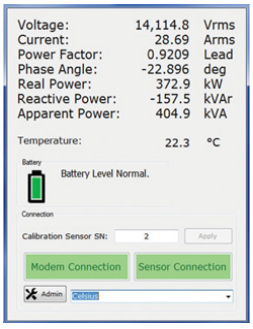
Switchgear Maintenance
Use LLT during maintenance of MV switchgear to ensure that all components function properly under live conditions.

Load Analysis
Conduct load measurements at critical points in the MV network to analyze power flow and assess equipment loading.

Software Tools:

On-Site Monitoring Interface
Provides real-time monitoring of key electrical parameters, such as voltage, current, power factor, and phase angle, ensuring precise data collection for diagnostics.

Automated Calibration Application
Designed for efficient MV sensors calibration in the field, reducing manual effort and ensuring accuracy in calibration processes.



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