

# VARCORDER

AMP, POWER FACTOR, + VAR RECORDER

## FEATURES

- Easily deploys to the line in seconds
- Collect and analyze load + power profiles
- Records data at user definable intervals
- Quickly downloads data via IrDA to PC



## OPTIMIZE OVERHEAD DISTRIBUTION

Temporarily install Varcorders on each phase to gather load and VAR flow profiles on the overhead distribution system.

The Varcorder measures and records Amps and Power Factor. A voltage constant is then applied in software to calculate VARs. True Power Factor is calculated by measuring the electric field in comparison with the current reported from the amp sensor.

The key feature of the unit is the ability to leave it deployed on the line to record readings at user definable intervals for 90+ days. It easily attaches to the line with a standard shotgun style hot stick. Once deployed, the Varcorder immediately begins to collect and record the current and power factor on the line.

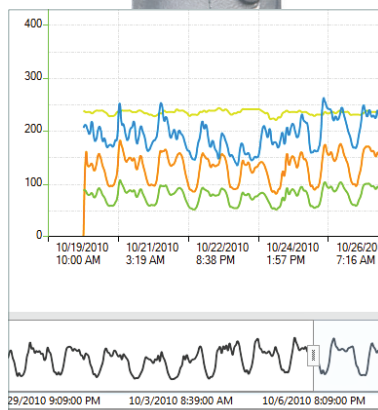
The Varcorder is equipped with an infrared serial port for communicating the recorded data into the user's PC. The data is downloaded through SensorLink's Softlink software, which allows the user to download, view, and graph the data stored in the unit. The data can be saved as a .csv or .xls file for review in other data management programs.

The housing of the unit is built to operate safely, even in severe utility environments. It is resistant to shock, repels water, and operates in a wide temperature range. The Varcorder has a urethane carabiner latch assembly, which allows it to hang on the line securely in all weather conditions.

This drive-by recorder is an excellent instrument to gather data in researching problem sources due to distributed energy, motors, and other power quality issues.



Ampstik XT, Overhead Conductor



Graphing with SoftLink Software

# APPLICATIONS

- Check for load balance
- Conduct load VAR flow studies
- Meter verification
- Power diversion studies

## VARCORDER SPECIFICATIONS

Model Number	6-910
Description	Three Phase Recording Ammeter Kit
Kit Includes	3 ea Varcorders 1 ea IrDA USB Cable 1 ea Softlink Software 1 ea Hot Stick Adaptors 1 ea Carrying Case
Range of Operation	
Voltage Phase to Phase	69kV
Current	1 to 2000A
Sensor Opening	Up to 1.3", up to 3.3cm
Resolution	
Amps 1-99.9A	0.1A
Amps 100 - 2000A	1A
Power Factor	.01
Accuracy	
Amps	± 1%, ± 2 Counts
Power Factor	± .01 (from .71 lead to .71 lag)
Frequency, 50 Hz	47 to 53 Hz
Frequency, 60 Hz	57 to 63 Hz
Mechanical	
Weight	1.5 lbs, 0.68 kg
Dimensions	9.75 in x 4.75 in x 3 in (24.77 cm x 12.07 cm x 7.62 cm)
Operating Temperature	-22° to +140° F, -30° to +60° C Lithium battery required for temperatures below -4°F (-20°C).
Housing	Shock & water resistant molded urethane
Battery	9 V Alkaline or Lithium
Battery Life	90+ days, see user's manual for details
Hot Stick Mounting	Shotgun & Universal style hot stick (Hot stick not included)
Software Requirements	Softlink by SensorLink
Operating System	Win 7, 8, 10
Data Collection Space	32,000 Intervals
EEC Standards	Successfully passed international test standards indicated by CE



Single Phase Varcorder Kit + Accessories



Three Phase Varcorder Kit + Accessories



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