

# Varcorder Amp, Power Factor, and VAR Recorder

*Collect and analyze load and power profiles*

*Easily clamps to the line in seconds*

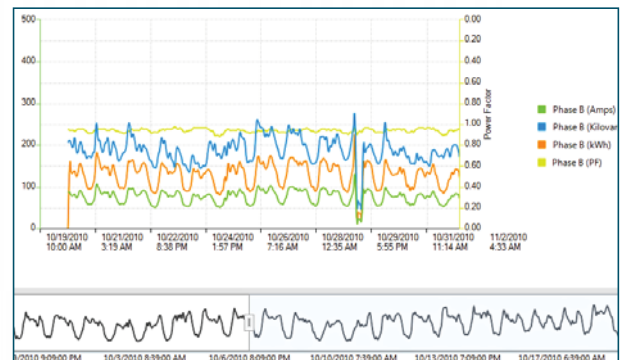
*Infrared communication*

*Recorded data quickly downloads to the user's computer*

*Generate reports and create graphs for profile analysis*



Graphing with Softlink Software



The Varcorder measures and records Amps and Power Factor. A voltage constant is then applied in software to calculate VARs. The true power factor is calculated by measuring the electric field in comparison with the current reported from the amp sensor. In order to accurately measure power factor, a direct connection to the bare connector is required.

The Varcorder uses the same current sensor technology as the original Ampstik. This amp sensor does not use magnetic materials and has no moving parts. The opening of the sensor is electronically closed, and external currents are electronically rejected.

The accuracy, external current reject, and range of currents measured by the patented

amp sensor substantially exceed the performance of the best clamp-on sensors.

The key feature of the unit is the ability to leave it deployed on the line to record readings at user defined intervals for up to 90+ days. It easily attaches to the line with a hotstick. Once on the line, it 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 computer. The data is downloaded through SensorLink's software, which allows the user to download, view and query the data stored on the Varcorder.

SensorLink's SoftLink software is a user-friendly software interface that allows the user to download, view, graph and export

data from the Varcorder. Data is saved as an .xls file, allowing it to be opened and analyzed in other data management programs.

The housing of the Varcorder is made of urethane and is built to operate safely, even in severe utility environments. It is resistant to shock, repels water and is unsusceptible to flame. It also operates within 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.

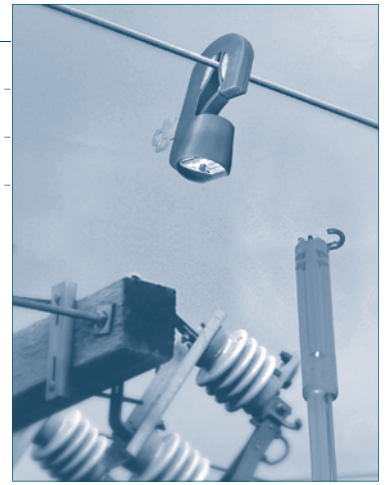
## Applications

Check for load balance

Conduct load VAR flow studies

Meter verification

Power Diversion studies



## Varcorder Amp, Power Factor, and VAR Recorder

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 Hotstick Adaptors 1 ea Carrying Case
Range of Operation	
Voltage	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
Hotstick Mounting	Shotgun & Universal style hot stick (Hot stick not included)
Software Requirements	Softlink by SensorLink
Processor	100 MHz or Higher, 200 MHz or higher recommended
RAM	32 MB, 64 Recommended
Drive Space	15 MB to load software, 10 MB of Operating Space
Data Collection Space	32,000 Intervals
EEC Standards	Successfully passed international test standards indicated by CE



Switch Stick Adaptor



Three-phase Varcorder Kit



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