

elecsys SENTRALINK CP

Remote Monitor for Sensors, Transducers, and Cathodic Protection

The Elecsys SentraLink CP remote monitor system is rugged, field proven, and designed for reliable data communication from remote sites. The SentraLink CP is the ideal choice for well-sites, regulator stations, tank farms, valve sites, or any application where a combination of sensors, transducers, and CP values are monitored.

The SentraLink CP features two analog voltage channels for measuring common CP values (rectifier voltage, current, and pipe to soil potential), and two sensor/transducer input channels. It supports 2-wire or 3-wire connections for 4-20mA, 0-5V, or 0-10V transducers. A digital input channel is available for dry-contact alarm/status or pulse accumulation.

The SentraLink CP supports cellular communication for use with the Elecsys web interface.



FEATURES



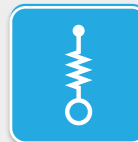
Programmable over the web



Surge resistant circuitry



Rechargeable NiCd backup battery for notification of power failure



2 analog voltage inputs, 2 sensor/transducer inputs, and 1 digital input

APPLICATIONS

- Well site monitoring
- Remote valve site monitoring
- Regulator station monitoring
- “Blow-off” valve monitoring
- Tank level monitoring
- Rectifier Monitoring

SPECIFICATIONS

Part Number	CDMA cellular telemetry: SL-CP-N1 External cell antenna kit: 48-0003-21
Input Connections (CP)	Channel 1 - Rectifier voltage $\pm 100\text{VDC}$ @ 1% of measurement accuracy and 10mV resolution OR (selectable) - Pipe to soil potential range $\pm 10\text{VDC}$ @ 1% of measurement accuracy and 1mV resolution (>10 M Ω input impedance) Channel 2 - Rectifier current $\pm 100\text{mVDC}$ @ 1% of measurement accuracy and 10uV resolution OR (selectable) - Pipe to soil potential range $\pm 10\text{VDC}$ @ 1% of measurement accuracy and 1mV resolution (>10 M Ω input impedance) Sample frequency on channels 1&2 - Every 1-24 hrs. (1hr increments)
Input Connections (sensor/transducer)	Channel 3 - Sensor excitation voltage 24VDC 1-5 Volt 3-wire sensor (1% of measurement accuracy and 1mV resolution) 1-10 Volt 3-wire sensor (1% of measurement accuracy and 1mV resolution) 4-20 mA 2-wire sensor (1% of measurement accuracy and 1uA resolution) 4-20 mA 3-wire sensor (1% of measurement accuracy and 1uA resolution) Channel 4 - Sensor excitation voltage 24VDC 1-5 Volt 3-wire sensor (1% of measurement accuracy and 1mV resolution) 1-10 Volt 3-wire sensor (1% of measurement accuracy and 1mV resolution) 4-20 mA 2-wire sensor (1% of measurement accuracy and 1uA resolution) 4-20 mA 3-wire sensor (1% of measurement accuracy and 1uA resolution) Sample frequency on channels 3&4 - Every 1 min, 10 min, 1 hr, 4 hrs, or 24 hrs
Input Connection (digital)	Channel 5 - Digital input configurable for dry-contact alarm or status reporting (normally open or normally closed), or for pulse accumulation
Power	Power required: 10-35VDC or 12-25VAC external power input Internal rechargeable NiCd battery pack provides backup power for alarm notification in the event of a power failure Power consumption: 1.8W @ 15V typical, 20W transmitting
Operating Environment	Temperature: -40°C to +85°C (-20°C to +70°C in battery backup power mode) Humidity: 0-95% non-condensing Enclosure: Lockable NEMA 4X polycarbonate
Size	6.5" (155mm) x 8.5" (215mm) x 4" (102mm)
Installation	Universal brackets included for mounting inside a cabinet, pole mount, or post mount Connection cables: 1 ea. 7' (2.1m) power cable, 1 ea. 7' (2.1m) measurement cable

REMOTE ASSET VISIBILITY EVERYWHERE!

The Elecsys SentraLink CP provides easy access to remote data from anywhere in the world. Flexible power options and communication options allows installation at extremely remote locations, and the ruggedized design assures reliable operation in the harshest environments.

The web interface (cellular) gives the user connectivity to the field from any web enabled device (PC, laptop, smart phone, tablet). The SentraLink CP is ideal for any remote CP and sensor monitoring application.

Please visit us at www.elecsyscorp.com/sentralink

MAJOR MARKETS



Oil



Gas



Water



Agriculture