

elecsys ISM-4

Remote Monitoring System

The Elecsys ISM-4 is a 4-channel industrial status monitor with the measurement flexibility to handle a wide range of remote monitoring applications. Each of the four channels can be independently configured to accurately measure voltages from +/-100mV to +/-200V. This versatility makes the Elecsys ISM-4 fully capable to handle applications where multiple measurement options are needed such as field sites, in-plant equipment, or other remote assets requiring diverse voltage measurement capabilities where dependable real-time monitoring is critical.



FEATURES



Programmable ranges on all analog channels



Lightning/power surge-resistant circuitry



Available in cellular, satellite, or Modbus enabled configurations



Instant alarm and return-to-normal notifications via email or text



Lockable enclosure



Flexible Power Operation

ADDITIONAL FEATURES:

- Alarm and return to normal notifications via e-mail and/or text
- Lightning/power surge-resistant circuitry
- Global communication to Pipeline Watchdog web monitor system via cellular or satellite telemetry
- Easy to use web interface
- Firmware reprogrammable over the air (cellular)
- LCD display for on-site information
- Power via external 6-30VDC or 8-25VAC or in "report only" mode from the internal Li-SOCL2 battery
- Internal battery assures continued operation during input power failure
- Inputs- 4 analog, 1 digital and 1 AC mains digital input
- Optional AC mains on/off detection
- Modbus enabled, integrates into SCADA network

SPECIFICATIONS

Product Number	Modbus: ISM4-L1 CDMA cellular telemetry: ISM4-N1 GSM cellular telemetry: ISM4-N3 Satellite telemetry: ISM4-S3
Inputs	Analog Input Channels (#1 - #4): Voltage Range= +/- 200 Volts DC (+/-1%) 1Mohm input impedance Current Range(1)= +/- 200 mVolts DC (+/-1%) 1Mohm input impedance Pipe to Soil Range= +/- 10 Volts DC (+/-1%) >10Mohm input impedance Current Range(2)= +/- 200 mVolts DC (+/-1%) 1Mohm input impedance Digital Input Channel: Dry contact type
Power	For always ON, pollable operation: 6-30VDC and 8-25VAC external power input Internal LiSOCL2 batteries function as backup power source or as primary power source when operating in "report only" mode (if external power is not available or not desired)
Operating Environment	Temperature: -40°C to +85°C Humidity: 0 – 95% non-condensing Enclosure: NEMA 4X polycarbonate
Size	5.3" (135 mm) X 7.8" (200 mm) X 2.8" (72 mm)
Installation	Universal brackets included for mounting inside rectifier cabinet, pole mount or post mount Connection cables: 1ea 7' (2.1m) power cable, 1ea 7' (2.1m) measurement cable Cables are molded and weatherproof and include a twist-lock unit connector
Telemetry	CDMA cellular telemetry: 1xRtt GSM cellular telemetry: HSPA+(4G) Satellite telemetry: Isat Data Pro (IDP)

The ISM-4 is both versatile and rugged. Built upon the proven and reliable Elecsys M2M technology platform, the ISM-4 has the option to be powered by an external source like AC line input, a generator, or solar power, or it can function solely on its lithium battery where power is unavailable or unreliable. That gives the ISM-4 incredible versatility to report from sites that were previously difficult to monitor. Coupled with the Elecsys cloud-based web-interface, the ISM-4 provides both flexible configuration features and powerful reporting capabilities. And like all Elecsys products, the ISM-4 is proudly made in the USA.

Please visit us at www.elecsyscorp.com

MAJOR MARKETS



Oil



Gas



Water



Electrical