

ISM-4

Remote monitoring for multiple measurement points



VERSATILE MULTI-TASKING MONITORING.

The flexible Lindsay ISM-4 industrial status monitor can handle a wide range of remote monitoring applications. It is ideal for applications where multiple measurement options are needed, such as field sites, in-plant equipment, or any remote asset requiring diverse voltage measurements in real time.

The ISM-4's four channels can be independently configured to measure voltages from +/-100mV to +/-200V. Its optional Modbus SCADA capability makes it easy to drop into an existing SCADA communications system. In situations with multiple bond locations, Lindsay ISM-4 remote monitoring can quickly pay for itself in time and labor costs saved - with reduced trips to the field.

KEY FEATURES:

- + Multi-channel flexibility beyond basic voltage and current
- + 5-year field replaceable lithium battery or external power
- + Programmable ranges for all analog channels
- + Available in cellular, satellite, or Modbus enabled configurations
- + Accessible from any web-enabled device through Elecsys+Connect

POWERED BY

ELECSYS+CONNECT™

Web and mobile data access

Elecsys Connect™ gives you access to all your remote monitoring units (RMUs) in one easy-to-use application. Viewable on a smart phone, tablet, or computer - anywhere you have web access - see what's happening with rectifiers, lift stations, test points and transducers in the field.

APPLICATIONS



Remote rectifier monitoring with up to four channels.



Thermoelectric Generator (TEG) and Solar Impressed Current System Monitoring.



Critical bond current value and polarity measurements.

MAJOR MARKETS

- + Oil
- + Gas
- + Water
- + Electrical

FOUR CHANNELS FOR MORE FLEXIBILITY.

The easy-to-install and operate Lindsay ISM-4 can measure, monitor, and report DC current values.

Built in the U.S. to exacting ISO 9001 quality standards, the ISM-4 can be powered by external AC line input, a generator or solar power. It can also function solely on the internal lithium battery in areas 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 Connect cloud-based web interface, the ISM-4 provides both flexible configuration features and powerful reporting capabilities.

ISM-4 benefits:

- + Four independently configurable channels.
- + Simple quick-connect wire harness for easy installation.
- + Rugged construction, 5-year lithium battery and lockable enclosure ensure reliability.
- + Remote programming to eliminate the need for costly site visits.
- + Modbus SACDA capability, compatible with legacy SCADA communication systems.

Typical Users:

- + Pipeline network owners.
- + Pipeline constructors.
- + Municipal utilities.
- + Any application with multiple monitoring points.

**Not having to
make multiple site
visits means we
can spend time on
other demands.**



PRODUCT SPECIFICATIONS

Communications	<ul style="list-style-type: none"> + Digital Cellular + IDP Satellite + Modbus
Input Connections	<ul style="list-style-type: none"> + Analog Input Channels (#1 - #4): <ul style="list-style-type: none"> Voltage Range= +/- 200 Volts DC (+/-1%) 1M ohm input impedance Current Range(1)= +/- 100 mVolts DC (+/-1%) 1M ohm input impedance Pipe to Soil Range= +/- 10 Volts DC (+/-1%) >10M ohm input impedance Current Range(2)= +/- 100 mVolts DC (+/-1%) 1M ohm input impedance + Digital Input Channel: Dry contact type + AC probe - detects AC input voltage electric field
Operating Environment	<ul style="list-style-type: none"> + Temperature: -40°C to +85°C Humidity: 0 - 95% + Non-condensing Enclosure: NEMA 4X polycarbonate
Enclosure	<ul style="list-style-type: none"> + 5.3" (135 mm) x 7.8" (200 mm) x 2.8" (72 mm)
Power	<ul style="list-style-type: none"> + For always ON, pollable operation: 6-30VDC and 6-25VAC 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)
Installation	<ul style="list-style-type: none"> + 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