

ISM-4

RELIABLE REMOTE MONITORING FOR MULTIPLE MEASUREMENT POINTS

VERSATILE MULTI-TASKING MONITORING.

The flexible Elecsys 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 Modbus SCADA capability makes it easy to drop into an existing SCADA communications system. In situations with multiple bond locations, Elecsys ISM-4 remote monitoring can quickly pay for itself in time and labor costs saved – no field trips required.



ISM-4

Key Features:

- Multi-channel flexibility (more than just basic voltage and current)
- 5-year 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

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.

The versatile Elecsys ISM-4 keeps a reliable, real-time eye on your most critical system data.



FOUR CHANNELS FOR MORE FLEXIBILITY.

The easy-to-install and operate Elecsys 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.

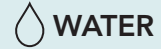
Typical Users:

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

PRODUCT SPECIFICATIONS

| | | |
|-----------------------|---|--|
| Product Number | Modbus CDMA cellular telemetry GSM cellular telemetry Satellite telemetry | ISM4-L1 ISM4-N16 ISM4-N15 ISM4-S3 |
| Inputs | Analog Input Channels (#1 - #4): Voltage Range= +/- 200 Volts DC (+/-1%) 1M ohm input impedance Current Range(1)= +/- 200 mVolts DC (+/-1%) 1M ohm input impedance Pipe to Soil Range= +/- 10 Volts DC (+/-1%) >10M ohm input impedance Current Range(2)= +/- 200 mVolts DC (+/-1%) 1M ohm input impedance Digital Input Channel: Dry contact type AC detection probe input | |
| 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) | |

MAJOR MARKETS



“NOT HAVING TO MAKE MULTIPLE SITE VISITS MEANS WE CAN SPEND TIME ON OTHER DEMANDS.”

Manufactured in the USA

Copyright © 2023
Elecsys International

846 N. Mart-Way Ct.
Olathe, KS 66061
913-647-0158
www.elecsyscorp.com

ELECSYS[™]
A LINDSAY COMPANY

To learn more, please visit us at elecsyscorp.com or call 913-647-0158