

# APM-1

Remote monitoring for test station compliance data



## BE THERE. WITHOUT HAVING TO GO THERE.

Pipeline CP test stations aren't often located in easy-to-access places. The Lindsay APM-1 gives you the ability to remotely monitor pipeline voltage potentials, providing assurance of adequate protection regardless of changes in the environment or the cathodic protection system, or distance from the site.

The Lindsay APM-1 is the best compliance monitoring solution for small- or large-scale operations because of its unique proposition: low initial cost, low lifetime cost, simple installation, and rugged construction. It all adds up to a one-of-a-kind value.



### KEY FEATURES:

- + 10 years of monitoring service included in price of hardware - no extra costs or subscriptions.
- + 10-year lithium battery means it's a set-and-forget solution - no additional service required.
- + Installs in minutes with simple two-wire connection.

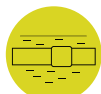
POWERED BY

**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



Continuous assurance of adequate corrosion protection on natural gas distribution service lines



Voltage potential measurements from restricted access testpoints.



Timely and reliable data acquisition for regulatory compliance.



Applicable to galvanic or impressed current cathodic protection systems for anode bed degradation

### MAJOR MARKETS

- + Oil
- + Gas
- + Water
- + Cathodic Protection

## RUGGED REMOTE MONITORING FOR THE REAL WORLD.

Get reliable compliance monitoring data when access isn't an option. Install it once, and it pays you value month after month. Ten years of monitoring is included in the cost of the hardware. Surge-resistant circuit design and ruggedized construction ensures consistent performance in the most demanding situations.

APM-1 benefits:

- + Achieve significant cost reductions in compliance data acquisition. Typical ROI is less than 1 year.
- + Reduce trips to remote field locations by valuable personnel.
- + Focus work on proactive preventive maintenance and improvement.
- + Aggregate system-wide test station compliance program onto a cloudbased platform with 24/7 data access from any web-enabled device.

**The APM-1 eliminates worry and allows my team to focus on more productive tasks.**



### PRODUCT SPECIFICATIONS

<b>Communications</b>	+ Digital cellular
<b>Input Connections</b>	+ Pipeline Structure - Red Wire + Reference Electrode - Black Wire
<b>Measurement Range</b>	+ 0.5VDC to -10VDC
<b>Resolution</b>	+ 1mVDC
<b>Power</b>	+ "D" size Li-SOCL2 Lithium battery (10-year battery life) with Hybrid Layer Capacitor
<b>Operating Enviroment</b>	+ Temperature: -30°C to +70°C + Humidity 0-95% non-condensing
<b>Enclosure</b>	+ NEMA 4x, IP66 rated + 6.33" (16.8cm) x 3.57" (9.1cm) x 2.46" (6.25cm)