

WATCHDOG TRACKER | TRACKER B

Remote AC interference corrosion monitoring system



PROTECTING YOUR VAST PIPELINE NETWORKS IS JOB ONE. TRACKER KEEPS YOU IN THE KNOW.

Your vast pipeline network includes multiple test stations to provide vital parameters and critical bond data to protect buried pipelines. But retrieving this data and analyzing it can be problematic, especially for hard-to-access sites. You need a reliable system that monitors and reports the key parameters you need to ensure that corrosion mitigation systems are operating correctly.

For decades, the pipeline industry has relied on Lindsay Watchdog Tracker and Tracker B to accurately supply the measurements you need and provide access through the powerful web portal Elecsys Connect. The Watchdog Tracker line is the most industry-recognized remote monitors and corrosion risk assessment tools for high AC interference areas.

KEY FEATURES:

- + Easily installs in minutes
- + Ruggedly built enclosure for harsh environments
- + Surge-resistant circuit design
- + Flexible communication options for remote areas
- + Intuitive data management tools and alarm notification on Elecsys Connect web interface



APPLICATIONS



Induced AC interference voltage and current density monitoring



Critical bonds



Isolation flanges



Reverse current switches and DC transit interference

MAJOR MARKETS

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

THE INDUSTRY LEADER IN REMOTE CATHODIC PROTECTION MONITORING SYSTEMS

Lindsay Watchdog Tracker and Tracker B monitoring systems lead the pack for reliability and accuracy in every test station and bond monitoring application. Get the data you need for evaluating corrosion risk due to electrical interference or inadequate cathodic protection.

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.

PRODUCT SPECIFICATIONS

Communications	<ul style="list-style-type: none"> + Digital Cellular + IDP Satellite 		
Operating Environment	<ul style="list-style-type: none"> + Temperature: -40°C to +70° + Humidity: 0-95% non-condensing + Enclosure rating: NEMA 4X polycarbonate 		
Power	<ul style="list-style-type: none"> + Lithium battery (3 to 5 year life under normal conditions and operating parameters) Connection for external power: 6.5 to 18 VDC (nominally 12V solar). + Solar panels or power system optional 		
Enclosure	<ul style="list-style-type: none"> + Tracker: 14" (356mm) x 3.375" (85.5mm) x 3.125" (79.4mm) + Tracker B: 5.3" (135 mm) X 7.8" (200 mm) X 2.8" (72 mm) 		
Measurements	Type	Range	Resolution
	+ DC potential (structure 1 to reference)	-10V to +10V	1mV
	+ AC potential (structure 1 to reference)	-0-35VAC	10mV
	+ DC Potential (structure 2 or native to reference)	-10V to +10V	1mV
	+ AC potential (structure 2 or native to reference)	0-35VAC	10mV
	+ Protected coupon "instant off" (coupon to ref.)	-10V to +10V	1mV
	+ AC current density (structure 1 to coupon drain)*	0 - 500 mA	0.1mA
	+ DC protection current density (structure 1 to coupon)	-10V to +10V	0.1mA
	+ AC drain current (voltage across external CT coil)	0 - 500 mA	0.1mV
Inputs	+ DC bond shunt current (across external shunt)	-150mV to +150mV	0.1mV
	<ul style="list-style-type: none"> + Structure 1 (pipeline) / Structure 2 (second pipeline or "native" coupon) + Reference cell / "Protected" coupon / "AC" coupon + Shunt/CT coil + / Shunt/CT coil - 		
	<ul style="list-style-type: none"> + Embedded SD - >15 years of samples at 15 second sample rates. (faster rates available with custom configurations). Sample frequency up to every 15 seconds. 		
	<ul style="list-style-type: none"> + Built-in mounting tabs for mounting to standard PVC riser + 7' (2.1m) color coded connection 		
Data-logging			
Installation			