

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 Elecsys 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.



WATCHDOG TRACKER | TRACKER B

Key Features:

- Easy to install
- Ruggedly built enclosure with a surge resistant circuit design
- Cellular or satellite communications for operation anywhere it is needed
- 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




THE INDUSTRY LEADER IN REMOTE CATHODIC PROTECTION MONITORING SYSTEMS

Elecsys 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.

MAJOR MARKETS

 OIL

 GAS

 WATER

 ELECTRICAL

PRODUCT SPECIFICATIONS

Part Number	CAT-M cellular telemetry: LTE-M cellular telemetry: IDP satellite telemetry:	Tracker TR-TC-N7 TR-TC-N8 TR-TC-S3	Tracker B TR-TC-N7-B TR-TC-N8-B TR-TC-S3-B
Input Connections	Structure 1 (pipeline) / Structure 2 (second pipeline or "native" coupon) Reference cell / "Protected" coupon / "AC" coupon (Note: if no dedicated AC coupon is used AC measurements can be taken on the "protected" coupon) Shunt/CT coil + / Shunt/CT coil -		
Measurements	Type	Range	Resolution
	DC potential (structure 1 to reference)	-10V to +10V	1mV
	AC potential (structure 1 to reference)	0 – 35V rms	10mV
	DC Potential (structure 2 or native to reference)	-10V to +10V	1mV
	AC potential (structure 2 or native to reference)	0 – 35V rms	10mV
	Protected coupon "instant off" (coupon to ref.)	-10V to +10V	1mV
	AC current density (structure 1 to coupon drain)*	0 – 500 mA rms	0.1mA
	DC protection current density (structure 1 to coupon)	-100mA to +100mA	0.1mA
	AC drain current (voltage across external CT coil)	0 – 500 mV rms	0.1mA
	DC bond shunt current (across external shunt)	-150mV to +150mV	0.1mV
Data-logging	Embedded SD - >15 years of samples at 15 second sample rates. (faster rates available with custom configurations). Sample frequency up to every 15 seconds.		
Power	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 not supplied by Elecsys		
Operating Environment	Temperature: -40°C to +70° Humidity: 0-95% non-condensing Enclosure: NEMA 4X polycarbonate		
Size	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)		
Installation	Built-in mounting tabs for mounting to standard PVC riser 7' (2.1m) color coded connection cable		



“ THE WATCHDOG TRACKER MONITOR SYSTEM PROVIDES ALL THE DATA I NEED TO KEEP THE PIPELINE PROTECTED FROM AC INTERFERENCE ”

Manufactured in the USA

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