

# WATCHDOG TRACKER LT

REMOTE MONITOR FOR TEST STATIONS AND CRITICAL BONDS

## Cost-Effective Testpoint and Critical Bond Monitoring System

Retrieving and analyzing CP data along vast pipelines can be difficult and costly, especially for hard-to-access sites. Elecsys Watchdog Tracker LT is the affordable way to stay on top of regular monitoring of mid-points, end points and bond sites across your entire system. The low investment makes this single-coupon monitor ideal for data collection across the length of your pipeline at a reasonable cost.

- Measures pipe-to-soil potential and on/off potentials at basic single-coupon test stations
- Measures current polarity and magnitude for critical bond and voltage potential on both structures
- Works with galvanic systems by monitoring the supply of current from the sacrificial anode to the structure
- Programmable over the web
- Cost-effective remote monitoring with very low communications costs
- 24/7 data access via the Elecsys Connect web portal. View and graph data, detect trends, assure pipeline integrity
- Significantly reduce test station and bond site visits



## WATCHDOG TRACKER LT

### Key Features:

- Single-coupon test station monitor; ideal for critical bond and midpoint test station monitoring
- Very low cellular communication costs
- Compact, durable, weatherproof enclosure; installs in minutes on a 3" riser
- Pre-configured to sample test stations and critical bond sites every four hours, reporting values every 15 days to ensure compliance
- Test Station Mode - AC and DC Voltage Potential
- Coupon Test Station Mode - AC, DC, and "OFF" Voltage Potentials
- Critical Bond Mode - Bond current and 2 Structure potentials

## APPLICATIONS



Critical bonds



"Mid-point" test station monitoring



Galvanic current monitoring



"ON/OFF" voltage potentials







# COST-EFFECTIVE REMOTE CATHODIC PROTECTION MONITORING SOLUTION

Test stations and midpoint test stations provide vital parameters and critical bond data to protect your vast networks of buried pipelines. But retrieving this data and analyzing it can be difficult and costly, especially for hard-to-access sites. Elecsys Watchdog Tracker LT provides a reliable remote system to monitor and report the key parameters you need to ensure that corrosion mitigation systems are operating correctly. The low investment makes this single-coupon monitor ideal for midpoint test stations and critical bond monitoring.

The pipeline industry has relied on Watchdog Tracker LT to accurately supply test station and critical bond measurements you need accessible anywhere through the web via Elecsys Connect.

## MAJOR MARKETS

-  OIL
-  GAS
-  WATER
-  ELECTRICAL

## PRODUCT SPECIFICATIONS

Part Number	CAT-M cellular telemetry: TR-LT-N16 LTE-M cellular telemetry: TR-LT-N15		
Input Connections	Structure 1 (pipeline) Reference cell Protected coupon (in test station mode) or Structure 2 (in bond mode) Bond Shunt + / Bond Shunt -		
Measurements	Type	Range	Resolution
	DC potential (structure 1 to reference)	-3V to +3V	1mV
	AC potential (structure 1 to reference)	0 – 35V rms	10mV
	DC Potential (structure 2 or native to reference)	-3V to +3V	1mV
	AC potential (structure 2 or native to reference)	0 – 35V rms	10mV
	Protected coupon "instant off" (coupon to ref.)	-5V to +3V	1mV
	DC bond shunt current (across external shunt)	-150mV to +150mV	0.1mV
Power	Lithium battery (3-5 year life under normal conditions and operating parameters)		
Operating Environment	Temperature: -40° C to +70° C Humidity: 0-95% non-condensing Enclosure: NEMA 4X polycarbonate		
Size	4.8" (12.2cm) x 4.5" (11.5cm) x 4.1" (10.5cm)		
Installation	Built-in mounting tabs for mounting to post or junction box; Adapter for mounting on top of a 3" riser; 7' (2.1m) color coded connection cable		



“  
REGULAR MONITORING  
AND REPORTING FROM  
ALL ACROSS OUR PIPELINE  
MAKES THIS A GREAT  
VALUE.”

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