

# WATCHDOG TRACKER LT2

REMOTE MONITOR FOR TEST STATIONS AND CRITICAL BONDS

## Discrete and Cost-Effective

CP data collection along vast pipelines can be difficult, risky and costly without the proper tools. The Watchdog Tracker LT2 puts your mind at ease and is the affordable and discrete way to stay on top of regular monitoring of mid-points, end points and bond sites. The low investment makes this single-coupon monitor ideal for data collection across the length of your pipeline. You can rest easy knowing this sleek housing can be safely secured inside a 3" riser pipe.

- 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
- Concealed inside the riser pipe for enhanced asset protection
- Programmable over the web
- 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 LT2

### Key Features:

- Discrete form factor and easy installation inside a 3" riser helps avoid theft and damage
- Affordable cellular communication costs
- Compact, durable, weatherproof enclosure
- Pre-configured for simple and easy reporting to ensure compliance
- 3 modes available based on application or measurement requirements; Test Station, Coupon Test Station, and Critical Bond

## APPLICATIONS



Critical bonds



"Mid-point" test station monitoring



Galvanic current monitoring



"ON/OFF" voltage potentials



# UNDER-BUDGET AND UNDERCOVER RMU 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 LT2 provides a reliable remote system to monitor and report the key parameters you need to ensure that corrosion mitigation systems are operating correctly. Further protect your pipeline and your assets with this unique housing designed to fit inside the 3" riser pipe.

The pipeline industry has relied on Watchdog Tracker LT2 to accurately supply test station and critical bond measurements you need accessible anywhere through the web via Elecsys Connect.

## MAJOR MARKETS

 OIL

 GAS

 WATER

 ELECTRIC

## PRODUCT SPECIFICATIONS

Communications	AT&T cellular telemetry: TR-LT2-N15 Verizon cellular telemetry: TR-LT2-N16		
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.)	-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
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: Polypropylene		
Size	11.5 " (29.21cm) x 2.5" (6.35cm) x 2" (5.08cm)		
Installation	Mounts inside a standard 3" riser or can be attached to any durable surface with bolts or screws and built-in mounting tabs		



“ THE ABILITY TO MOUNT THIS INSIDE THE RISER PIPE IS EXACTLY WHAT WE’VE BEEN LOOKING FOR. ”

Manufactured in the USA

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