



The Newest Generation Remote CP Monitor *Watchdog Tracker™ CR* - from Elecsys

Are you responsible for protecting pipelines from high voltage AC power line interference and corrosion – either for an end-user or pipeline company?

Then we recommend you upgrade to *Watchdog Tracker CR* - the complete, all-in-one Cathode Protection and Corrosion Rate monitor.

High levels of AC interference can cause severe corrosion damage to pipelines. Watchdog Tracker CR keeps you on top of the situation. Tracker CR is the first RMU (remote monitoring unit) that measures the **corrosion rate** as well as critical CP data in a single device.

Fluctuating AC Interference in congested urban areas where pipelines run parallel to or cross high-voltage line ROWs can cause significant problems. Tracker CR helps you prevent costly pipeline damage and avoids the need to gather infrequent data from remote sites manually.

Stay aware of the situation at critical points on your pipeline with reliable, accurate data from Tracker CR!

Five Great Reasons to Invest in Watchdog Tracker CR

- 1** **Corrosion Rate**
Tracker CR is the only "turn-key" RMU system able to measure and report ALL relevant AC interference corrosion parameters according to NACE standards.
- 2** **Remote communications**
You will never need to obtain data manually by traveling to remote field sites.
- 3** **Regular sampling data**
Tracker CR gives you steady, accurate reports of pipeline voltages, AC/DC current densities, AC current drain, and corrosion rate.
- 4** **On-demand information access**
See your data anytime, anywhere, using your smartphone, tablet, or computer.
- 5** **Customizable alarm functions**
Tracker CR provides "management by exception" capabilities with programmable alarms that alert you of emerging problems

Tracker CR continuously appraises the health of your AC mitigation systems. It keeps you informed of changing situations in the field, CP system failures, high AC inference levels, and corrosion risks.

Don't fall victim to undetected aggressive AC interference problems! Contact us today to find out more information or obtain a quotation!

Elecsys designs and builds rugged CP remote monitoring units (RMUs) to withstand demanding pipeline conditions, and has for decades. Now, Watchdog Tracker CR continues to raise the bar!

 Watchdog Tracker CR: Designed, built, and supported in the USA.

Specification Summary

Standard Communication Options for Watchdog Tracker CR

Part No.	Version
TR-CR-N7	Verizon CAT-M cellular
TR-CR-N8	AT&T LTE-M cellular
TR-CR-S3	Inmarsat IDP satellite

Please refer to Watchdog Tracker CR User Manual 81-0078-01 for complete details.
All specifications are subject to change without notice.

What you get with Watchdog Tracker CR

- **Monitoring unit** - Self-contained with remote communication module; battery powered; mounted in a polycarbonate enclosure measuring 6.5" x 9" x 4" (16.5 x 22.9 x 10.1 cm); NEMA 4X (IP65)
- **Ground probe assembly** - With triple-coupon test station probe, a 1 cm² ER corrosion measurement probe, and field replaceable copper/copper sulfate reference electrode. Included accessories enhance probe life and stability.
- **Mounting brackets (x 2)** - Attaches the enclosure to a riser pipe, post, or utility pole
- **Wiring harness** - 7 ft long, insulated, 7-conductor color-coded cable - for ground probe to monitor connection
- **Satellite terminal** Part No. TR-CR-S3 only - with mounting bracket, cable, and fasteners



Parameters Measured

Measurement channel	Channel Range	Accuracy
DC potential (structure 1 to reference)	-10V to +10V	1mV
AC potential (structure 1 to reference)	0-35V rms	10mV
"Native" Potential (free-corroding coupon to reference)	-10V to +10V	1mV
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	0.6µA
AC drain current (voltage across external CT coil)	0-500 mV rms	0.1mV
DC bond shunt current (across external shunt)	-150mV to +150mV	0.1mV

Elecsys Connect

Once the unit is wired and activated in <https://connect.elecsyscorp.com>, the user can:

- Set-up email and text message alarms
- Set up regular emailed data reports or files
- Obtain on-demand data reports
- Change alarm limit parameters, reporting frequency and monitoring frequency over the air
- Obtain any/all stored measurements from the unit memory over the air.

Our experienced and knowledgeable staff are happy to help you with Watchdog Tracker CR (and any Elecsys product). We can answer your questions and provide technical support.

ELECSYS[™]
A LINDSAY COMPANY

846 N. Mart-way Court | Olathe, KS 66061 USA | +1 (913) 647-0158 | sales@elecsyscorp.com

LINDSAY[™] © 2020 Elecsys International. All rights reserved. Watchdog Tracker is a trademark of Elecsys. Elecsys is a subsidiary of Lindsay Corporation.