

TRACKERLT

by 

Remote Monitor for Cathodic Protection in Heater Treaters & Salt Water Tanks

Elite Energy Services has teamed up with Elecsys Corp to bring the Tracker LT as a Heater Treater Cathodic Protection (CP) monitoring device.

This unit has been custom built to monitor the Fire Tube so that we can proactively change anodes and avoid Fire Tube Failures.



Features



Programmable over the web



Surge resistant circuit design



Operates on a 3-5 year lithium battery



Web-based data access



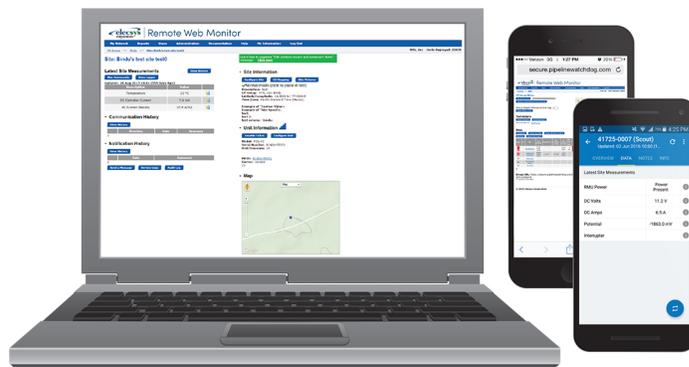
Easy installation



Ruggedized construction

Applications

- Heater treater monitoring
- Salt water storage tank monitoring



Specifications

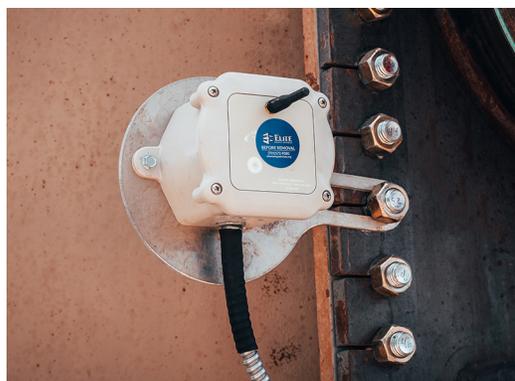
Part Number	CDMA cellular telemetry: TR-LT-N7 (Verizon) TR-LT-N8 (AT&T)									
Input Connections	Structure 1 (pipeline) Reference cell									
Measurements	<table border="1"> <thead> <tr> <th>Type</th> <th>Range</th> <th>Resolution</th> </tr> </thead> <tbody> <tr> <td>DC potential (structure 1 to reference)</td> <td>-10V to +10V</td> <td>1mV</td> </tr> <tr> <td>AC potential (structure 1 to reference)</td> <td>0 - 35V rms</td> <td>10mV</td> </tr> </tbody> </table>	Type	Range	Resolution	DC potential (structure 1 to reference)	-10V to +10V	1mV	AC potential (structure 1 to reference)	0 - 35V rms	10mV
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DC potential (structure 1 to reference)	-10V to +10V	1mV								
AC potential (structure 1 to reference)	0 - 35V rms	10mV								
Power	Lithium battery (3-5 year life under normal conditions and operating parameters)									
Operating Environment	Temperature: -40°C to +70° 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									

Monitor Critical CP Levels

Monitoring potential inside the heater treater ensures that the fire tube is always being protected (NACE SPO575). Elite Energy had these units custom built just for this purpose. By proactively changing anodes, a producer can avoid the costly effects of a fire tube failure.

The Tracker LT's design allows for simple cost-effective monitoring. The unit will "wake up" every 4 hours and measure the vessel's potential, if it's within the acceptable parameters - the unit returns to hibernation mode. If the reading indicates that the vessel is out of acceptable cathodic range, it will send an alert via email and text.

The Tracker LT will send data bi-monthly via cell phone link to the Heater Treater Management Database. This information can be used to track and trend individual heater treaters consumption of anode material.



This technology allows you to "look" inside a heater treater. It takes the guess work out of cathodic protection.

Elite's Tracker LT is the most reliable and accurate method available to extending the life of a fire tube, by monitoring the output of an anode. It's well understood that an effective anode is the most efficient way to control corrosion.

THE TRACKER LT CAN HELP PREVENT FIRE TUBE FAILURES.