

Remote Monitors for Test Stations and Critical Bonds



- High Resolution and Accuracy
- 3 Coupon Test Station Monitor
- Remote Retrieval of Data Logs
- Cellular or Satellite



- Ideal for Bond Monitoring
- Single Coupon Test Station Monitoring
- Low Communication Fee
- Cellular



APPLICATIONS

- Induced AC voltage measurement
- AC current density and drain current
- Critical bonds
- Isolation flange bonds
- “On/Off” voltage potentials
- Reverse current switches

APPLICATIONS

- Critical bonds
- “Mid-point” test station monitoring
- Galvanic current monitoring
- “ON/OFF” voltage potentials



FEATURES



Programmable over the web



Surge resistant circuit design



Operates on 3-5 yr lithium battery



Web-based data access

TRACKER SPECIFICATIONS

Part Number	CDMA cellular telemetry: TR-N1 GSM cellular telemetry: TR-N3 IDP satellite telemetry: TR-S3		
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	0.1mV
	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	14” (356mm) x 3.375” (85.8mm) x 3.125” (79.4mm)		
Installation	Built-in mounting tabs for mounting to standard PVC riser 7’ (2.1m) color coded connection cable		

TRACKER LT SPECIFICATIONS

Part Number	CDMA cellular telemetry: TR-LT-N1 GSM cellular telemetry: TR-LT-N3		
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)	-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
	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° 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		