5.1 LogR Sensor Package - Specifications

SENSOR	SPECIFICATION	EXPLANATION / DETAIL
LPR Sensor (Linear Polarization Resistance)	Non-metallic sensor rated 50C, 125F max, 125 psi max. Immersed components ABT, nylon & epoxy.	Digital, DC isolated 3 wire sensor, Power, Common & Data. Sensor supplied with l'' SCH 80 threaded PVC 'T' fitting with l'' non-metallic sensor entry fitting and 3m, 10ft of 3xAWG 22 PVC jacketed cable.
LPR_CS LPR_CU LPR_AM	1010 Carbon Steel CDA 110 Copper CDA 443 Admiralty	1Ł''L x 3/16'D electrode set supplied installed. Sensor accepts standardized LPR electrodes threaded #4-40 UNC

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Corrosion Rate Measure & Display	0.01 to 50.0 mpy for steel Updates every 150 seconds.	LogR CE compliant under 89/336/EEC Electrode metallurgy user selectable.		
4-20mA Output	Three wire: Power, Ground & 4-20mA out Resolution nominally 1 part in 4000.	User selectable 4-20mA range from 2 to 100 mpy. Adjustable loop Span & Zero.		
Data Logging	1 Year @ 5 minute intervals.	Log auto-uploaded via USB thumb drive in CSV format (Comma Separated Variable)		
Alarm Contacts	Normally closed Rated 24VDC, 250mA Thermally fused 300mA	User adjustable alarm trip point. Alarm contacts also open on loss of power.		
Display & Data Link	2x8 LCD Display. USB Host emulation.	Battery backed clock time & date stamps data log.		
UP-DOWN & Mode Switches	UP & DOWN push buttons 8 Selectable display modes, 0 to 7.	**0:** Corrosion **2:** Conductivity **4:** 4-20mA Current **6:** Alarm Contacts	**1:** Metallurgy **3:** Diagnostic **5:** Date-Time **7:** Loop Span
Conductivity	50 to 9999 uS	Autoranging. 1uS resolution. Corrects corrosion rate for water resistivity.		
Power	9-24VDC, 100mA max. Polarity Protected.	Use included 12VDC, 500mA power cube or site 9-24VDC power. Power 240V AC plug set available.		
LogR Enclosure	Non-metallic, Rated IP65 4 3/8" x 4 3/8" x1 l'', 110mm x 110mm x45mm	PG16 cable entry for sensor & current loop cabling included. Wall mount 3-point bracket included.		
Wiring Terminal Blocks	Rated AWG16-26 3.5mm spacing.	Power, 4-20mA, sensor and alarm contacts, 2 piece, removable wiring blocks		