



Corrosion Monitoring Systems

Rohrback Cosasco Systems®

Corrosometer ® Systems



General Features:

The Corrosometer ® systems measure metal loss on a continuous basis without removal from the corrosive environment. Metal loss from corrosion or erosion is determined from the increase in electrical resistance of the metal element (wire, tube, or strip) exposed to the environment. Monitoring instruments convert the resistance change into metal loss and corrosion rate readings.

Applications:

This technique can be applied to virtually all-corrosive environments, (irrespective of conductivity), including: oil & gas, chemical, petrochemical, atmospheric, soil, water, pulp & paper, food & beverage, plus others.

Corrosometer ® Probes

Corrosometer ® Probes are available in a wide variety of styles and element thickness to allow optimum balancing of probe life and sensitivity. Some models feature economical replacement inserts.

- 600 series: Atmospheric & underground probes
- 2000 series: Fixed and flange mount probes
- 3000 series: Retractable probes under pressure upto 1,500 PSI
- 4000 series: Retrievable probes under high pressure (upto 3,600 PSI)
- Styles: Strip loop, tube loop, wire loop, cylindrical, atmospheric, flush (does not hinder line pigging).
- Materials: *Body/measurement element: carbon steel, stainless steel, Hastelloy, Inconel, Monel, aluminium, Brass and other materials
- *Seals: epoxy/Teflon, glass, welded

Corrotemp® Probes

Corrotemp® dual sensor probes conveniently combine temperature measurement with Corrosometer ® metal loss information.

Models availability: -2000 series: 2500T, 2520T, 2620T -3000 series: 3000T, 3000GT, 3500GT
Instrument compatibility: CORRDATA® Mate II, CK-4

Model CK-3/CK-4



A portable, economical instrument for on-site monitoring of Corrosometer ® probes, which displays metal loss. The CK-3/CK-4 is an easy-to-operate instrument which has earned a reputation for rugged reliability. Both units are intrinsically safe for Class 1, Division 1 hazardous environments.

Model 4001L



A low RFI emission transmitter/receiver system for process plants. The single channel system includes a 4 to 20 mA loop-powered transmitter (4020LT) mounted close to the probe, and a panel-mounted receiver (Model 4020L), in the control room. The receiver displays total metal loss and corrosion rate. The 24 VDC supply for powering the transmitter is provided by the receiver. The Transmitter has the following intrinsic safety certifications. American (UL) Canadian (CSA) : Class 1 Division 1, groups A,B,C,D / European (CENELEC): EEx ia IIC T4.

Model ECM-2™



An environmental corrosion monitoring system that measures the corrosive attack on two replaceable thin film sensors, pure copper and pure silver. Early detection of corrosive conditions is shown by indicator lights that correspond to the ISA classification of environments (G1 thru GX). The ECMS-2™ system also monitors and displays humidity and temperature. The compact design is ideal for wall mounting.

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