

# Corrosion Monitoring Systems

Rohrback Cosasco Systems®



## Integrated System



### General Features:

Integrated instruments can monitor CORROSMETER® and CORRATER® probes, and in most cases the CORROTEMP® versions of these probes. These instruments are ideal for monitoring multiple probe locations on a continuous basis with minimal labour requirements. Corrosion data logging capacity ranges from 28 days to one year. Each instrument offers an option for graphing and viewing the data.

### Applications:

Integrated instruments have the broadest range of applications, incorporating conductive and non-conductive fluids. Applications include oil & gas, pipeline, and processing facilities; chemical & petrochemical plants, pulp & paper mills, water processes; agricultural and food industries; utilities; and others

### CORRDATA® System

This Remote Data Collection System provides continuous corrosion history from remote probe locations, such as pipelines, well heads and offshore platforms. The system has a Remote Data Collection (RDC) at each probe location and a single, portable hand held unit (CORRDATA® MATE) for collection and transfer of corrosion data to a PC. The unattended, battery-powered RDC is capable of storing 2000 CORROSMETER®, 1000 CORRATER®, or 1000 CORROTEMP® probe readings. At period intervals (determined by the operator), data is easily transfer to a portable or office PC for analysis and graphing the basic CORRDATA® PC software package is included with the RDC system. An advanced software package, CORRDATA® Plus, is an optional for operators desiring to do more comprehensive analysis. The CORRDATA® system 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.

### CORRDATA® Mate II

The Mate II can directly read and store CORROSMETER®, CORRATER® and CORROTEMP® probe readings in addition to retrieving and transferring data from RDC's. The Mate II is a component of the CORRDATA® system, which 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 RCS-8

The RCS-8 is a 4 or 8 channel instrument for laboratory or control room use with CORROSMETER® and CORRATER® probes. It provides 28 days of data logging capacity. The RCS-8 provides a rapid response to corrosion rate changes and individually adjustable alarm set points for each probe channel. Transfer of data via an optional RS 232 interface is possible. Operators can also obtain printouts of 1, 7, 28 or 90-day graphs of metal loss versus time on an optional graphoc printer.

### ICM3™/MODEL RCS-1

The RCS-1 is a powerful centralized supervision and management tool. It enables permanent online corrosion monitoring and recording of all corrosion-related upsets from up to 128 CORROSMETER®, CORROTEMP®, CORROSMETER®, OR CORRATER® PROBE. This dedicated unit simplifies operator control of all routine operating functions. The RCS-1 is available in a desktop enclosure or a 19 inch rack mount chassis. Data is stored for one year and can be displayed on the screen in various graphic forms. Spreadsheet compatible files on floppy disk may also be generated for use with other with PC programs. Alternatively, ICM3™ Software is available to provide the same features as the RCS-1 on an industrial or desktop PC. The probes are connected in groups of four to field-mounted Probe Interface Modules (PIM's) which are connected to the RCS-1 by RS-485 cables.

Pictures: 1. PC software displayed, 2. Model RCS-8, 3. Corrdata System, 4. Corrdata Mate II, 5. ICM3™/MODEL RCS-1

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