

Corrosion Monitoring Systems

Rohrback Cosasco Systems®

Corrater® Systems



General Features:

The Corrater® systems measure instantaneous corrosion rate and pitting tendency in conductive liquids by the electrochemical technique of linear polarization (LPR). The method applies a small polarization potential difference between two electrodes and measures the resulting current, which is proportional to the corrosion rate.

Applications:

Corrater® Systems enable industrial and municipal water system operators to optimize their chemical treatment programs. Typical processes include: cooling water; process water; potable water; and effluent.

Corrater® Probes

Corrater® Probes are available in a wide variety of alloys to match the metallurgy of the system being monitored. All standard two-electrode probes feature economical replaceable electrodes.

-Model 6112: Laboratory or light duty plant use -7000 series: Field use (adjustable or fixed)

-8000 series: Retractable probes under pressure up to 1,500 PSI -Model 6080: Retrivable probes under high pressure (up to 6,000 PSI) -Materials: *Body: epoxy, stainless steel, and other alloys

*Electrodes: mild steel, stainless steel, brass, Monel, Hastelloy, aluminium, lead, and many others -CORROTEMP® versions of Corrater® probes include internal RTD for process temperature measurement. Available in all models. (Front row of main photo)

Model 9000/9000HS



The industry standard instrument for reading Corrater® probes. The rugged field unit provides a direct readout of the corrosion rate and pitting tendency. A high sensitivity unit (9000HS) is also available.

Model SCA-1



The SCA-1 is a low cost single channel, field-mountable instrument for continuous on-line corrosion monitoring of water systems. The lower range instrument is suitable for copper alloys, stainless steels, and lead. The higher range SCA-1 is more applicable for mild steels. The SCA-1 has a digital display, selectable alloy multipliers, and an isolated current output for remote indication or recording.

Model 9030



This single channel panel instrument is ideal for control room or laboratory use. A patented Solution Resistance Compensation technique extends the range of operation to include lower conductivity solutions. Isolated analogue outputs are provided for corrosion rate and imbalance (electrochemical noise).

Model AquaMate™



This pocket – sized portable instrument features state of the art technology and our patented Solution Resistance Compensation (SRC). The AquaMate™ can be used with Corrater® and Corrotemp® versions of Corrater® probes. This unit measures corrosion rate, pitting tendency, temperature and conductivity.

Model AquaCorr™



This field – mountable unit provides single or dual channel corrosion measurements along with temperature, pH, and conductivity measurement capability. Patented Solution Resistance Compensation for corrosion rate measurements and imbalance (electrochemical noise) provides high quality corrosion data. Temperature can be measured from CORROTEMP® versions of Corrater® probes. A separate probe input measures pH. Conductivity is measured from Corrater® probes or a separate conductivity probe. Five programmable isolated analogue outputs are available.

All written data and statements herein are provided in good faith and believed to be reliable and appropriate at the time of drafting this document. However it is given without implied or express guarantee. Potential uses are urged to trial and /or conduct conformity test of the product to deem its suitable in application for a particular end use prior to purchase.

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