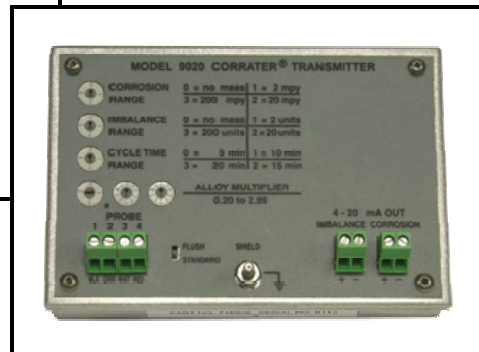


# Model 9020 CORRATER<sup>®</sup> Transmitter



Model 9020 Corratr Transmitter



Corratr Transmitter Module

## Features:

- **Two-Wire Loop Powered**
- **Continuous Corrosion Rate**
- **Second Loop for Imbalance Measurement**
- **Extended Operating Range**
- **Available as an OEM Module**

The Model 9020 CORRATER<sup>®</sup> Transmitter is ideal for accurately monitoring corrosion rate in water systems ranging from high conductivity cooling water and seawater to low conductivity condensates. Power is supplied to the transmitter and the corrosion rate data obtained over a single pair of wires which facilitates installation and operation.

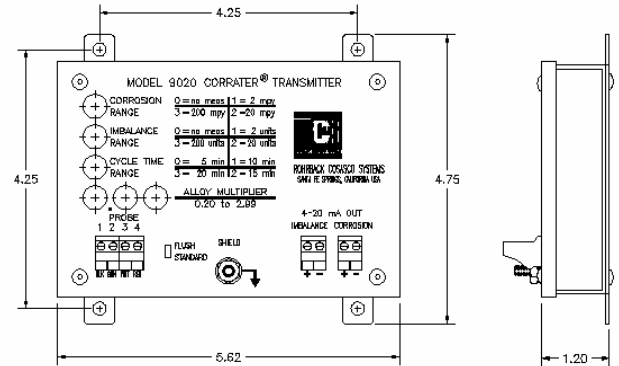
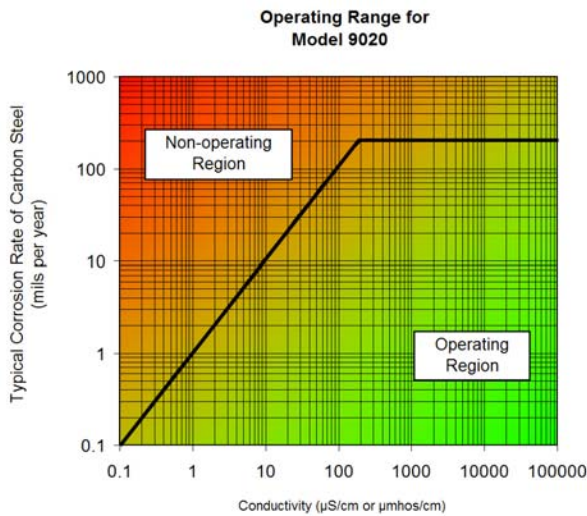
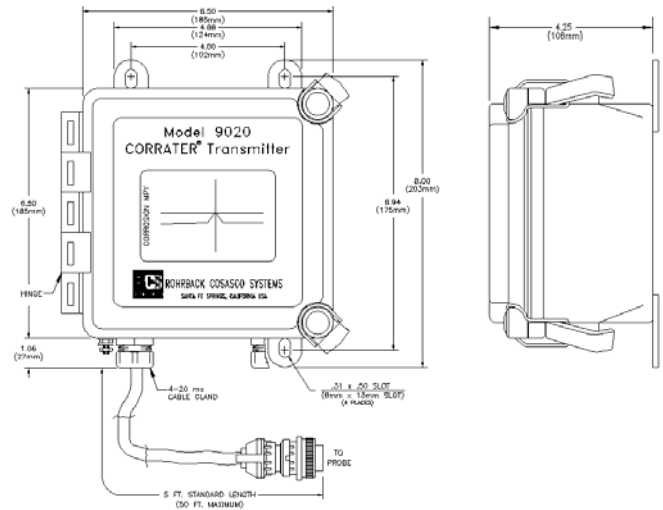
The 9020 CORRATER<sup>®</sup> Transmitter is mounted in a NEMA-4X (IP 66) weatherproof enclosure suitable for field mounting; or for OEM users, the 4-20 mA. Loop CORRATER<sup>®</sup> Transmitter Module can be easily installed in existing systems or tower controllers to provide continuous corrosion rate monitoring.

An independent second current loop provides the imbalance measurement which is a sample of Electrochemical Current Noise (ECN) between the

electrodes. The ECN or imbalance current is related to pitting corrosion activity and inhibitor film stability.

## Specifications:

- **Corrosion Rate Ranges:** 0-2, 0-20 and 0-200 MPY
- **Imbalance Ranges:** 0-2, 0-20 and 0-200 Imbalance Units
- **Cycle Time:** 5, 10, 15 and 20 minutes
- **Resolution:** 0.1% of Full Scale
- **Operating Range:** See Graph
- **Alloy Multiplier Range:** 0.2 to 2.99
- **Ambient Temperature Range:** -18°C to +60°C
- **Supply Voltage Range:** 16-32 VDC at 20 mA
- **Weight:** 2 lbs (1 Kg)
- **Enclosure:** NEMA 4X, IP66
- **Probe Cable:** 6 ft
- **Compatibility:** All 2-electrode or 3-electrode CORRATER® or LPR Probes



Note: Based on 20% error limit (see ASTM G96)

## Ordering Information:

| Model    | Description                               |
|----------|---|
| 9020     | Model 9020 CORRATER® Transmitter          |
| 9020-OEM | 4-20 mA Loop CORRATER® Transmitter Module |



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