

Model AquaMate™ Portable CORRATER® Instrument



Features:

- **Portable Corrosion Rate Monitoring**
- **Imbalance (Pitting) Measurement**
- **Solution Resistance Compensation**
- **Temperature Measurement**
- **CE Compliant**

The AquaMate™ is your best answer to the problem of getting quick and easy corrosion rate measurements in water systems. Simply plug the hand-held instrument into a CORRATER® probe and press the measure key. In a few minutes the readout will display the corrosion rate in mils per year (MPY), the imbalance reading, conductivity, and, if you're using a CORROTEMP® CORRATER® probe, the water temperature.

The AquaMate™ instrument's patented Solution Resistance Compensation extends the low conductivity operating range from cooling water to condensate, feedwater, and drinking water systems.

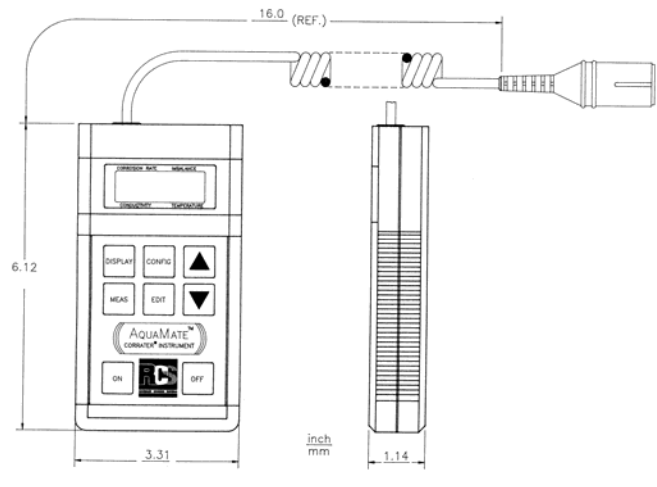
Manual conductivity correction is not required. The true corrosion rate will conveniently be displayed when the alloy multiplier is pre-programmed.

In addition, the AquaMate™ measures the imbalance current between the electrodes, which is related to pitting activity.

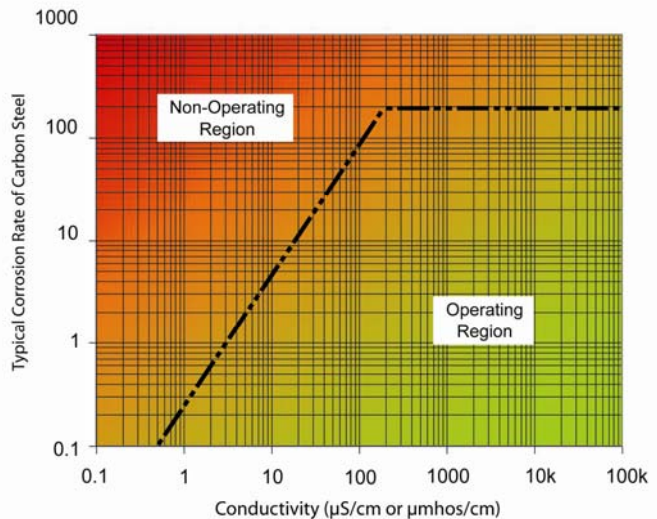
The instrument fits easily in a shirt pocket and is powered by a single 9 volt battery. Considering the features and size, this instrument sets a new standard for portable corrosion rate monitoring instrumentation.

Specifications:

- **Corrosion Rate Ranges:**
 Autoranging: 0.01 to 200 mpy
 or 0 – 5.08 mmpy
 or 0 – 5080 μ mpy
- **Imbalance Ranges (Pitting Index):**
 0.01 to 100 pitting units
 or 0.025 to 250 μ A
- **Temperature Measurement:**
Range: 0 ° to +260 °C (0-500°F)
Accuracy: ± 2 ° C (does not include probe error)
Repeatability: ± 1 °C
Resolution: 0.1 °C
- **Conductivity:**
Range: 50 to 2,000 μ mhos/cm (μ S/cm)
Accuracy: $\pm 10\%$ (excluding probe error)
- **Operating Range:**
 See Graph
- **Probe Compatibility:**
 2 or 3 electrode Corratel® probe
 2 electrode Corrotemp® Corratel® probe
 (includes temperature)
- **Cycle Time:**
 Manual mode: 2 to 21 minutes in 0.5 min.
 increments
 Automatic mode: 3 to 20 minutes
- **CE:** Complies with all applicable EU Product
 Directions 89/336/EEC
- **Alloy Multiplier Range:** 0.25 - 3.00
- **Power Requirements:**
 9 Volt Alkaline Battery
- **Instrument Operating Temperature:**
 +32 ° to 122 °F (0 ° to 55 °C)
- **Instrument Storage Temperature:**
 -4 ° to 131 °F (-20 ° to 55 °C)
- **Weight:** 14 ounces



Operating Range for CORRATER® AquaMate™



----- Operating range with conductivity correction applied

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

Ordering Information:

AquaMate™ Portable corrosion rate, imbalance, temperature, and conductivity monitor with test probe
 P/N Aquamate



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