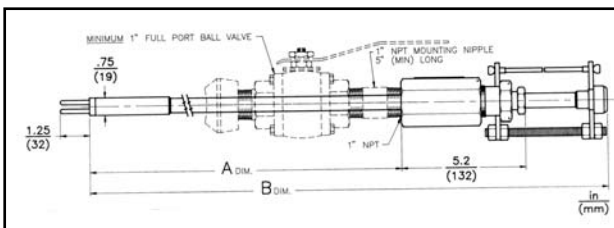
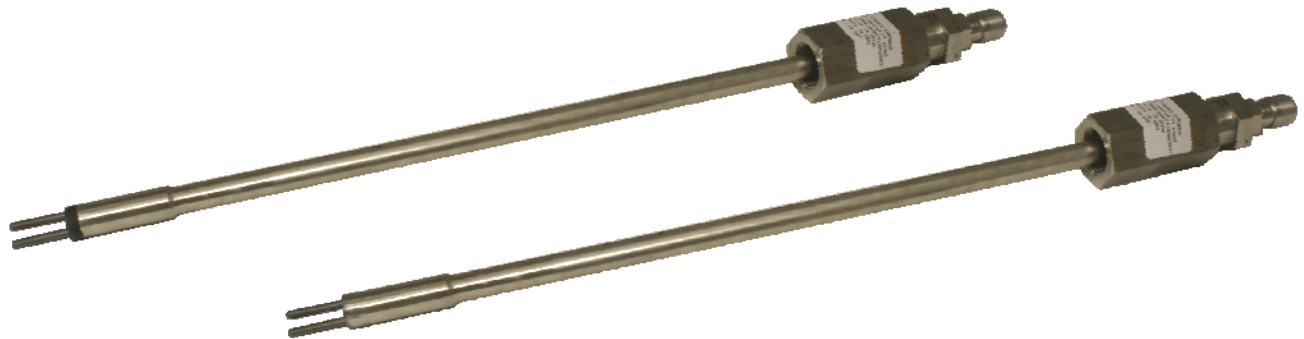


Model 8012/8022 CORRATER[®] Probe

TWO-ELECTRODE



| Std Length Code | "A" Dimension | | "B" Dimension | |
|--------------------|---------------|-----|---------------|------|
| | Inches | mm | Inches | mm |
| 18 | 18.3 | 465 | 25.0 | 635 |
| 24 | 24.3 | 617 | 31.0 | 785 |
| 30 | 30.3 | 770 | 37.0 | 937 |
| 36 | 36.3 | 922 | 43.0 | 1092 |

"A" Dimension is with probe fully inserted into the packing gland.

Specifications:

- **Mounting - 1" Full Port Valve Minimum**
- **Temp. Rating — +300 °F / +150 °C**
- **Pressure Rating — 1500 PSI/10.3 MPa**
- **Electrode Seal Material — Glass Reinforced Epoxy/Viton**
(Model 8012)
(Glass/Viton (Model 8022))
- **Fill Material - Epoxy**
- **Body Material - Stainless Steel**

These Models are ideal for direct mounting into plant pipework or vessels and allow insertion or removal while under system pressure. The electrode seals are suitable for all pH ranges. These probes employ two replaceable, identical electrodes which are mounted at the end of the probe by threaded, insulated studs. Two electrode probes are suitable for the majority of problems where LPR techniques are applicable. When monitored by "Solution Resistance Compensating" instruments such as the

CORRDATA[®] RDC, AquaCorr[™], AquaMate[™], Model 9030 or 9134 CORRATER[®], they may be used in low conductivity solutions (see Fig. 1 of the CORRATER[®] Probe Selection Guide). CORRATER[®] Probes are used by major companies world-wide to measure corrosion in waterfloods, cooling water loops and other aqueous systems and to provide control of inhibitor addition for optimum economy and corrosion protection.

Element Availability:

| UNS Number | Alloy Code | Alloy | UNS Number | Alloy Code | Alloy |
|------------|------------|-------------------------|------------|------------|-------------------------|
| K03005 | ----- | Pipe Grade Carbon Steel | C11000 | 8061 | Copper 110 ETP |
| S30400 | 8013 | 304 S.S. | C70610 | 8062 | Cu/Ni 90/10 |
| S30403 | 8014 | 304L S.S. | C44300 | 8073 | Ars. Ad. Brass CDA #443 |
| S31600 | 8020 | 316 S.S. | A91100 | 8080 | Aluminum 1100 |
| S31603 | 8021 | 316L S.S. | A92024 | 8085 | Aluminum 2024 |
| N08020 | 8043 | Carpenter 20 Cb3 | R50400 | 8093 | Titanium Gr2 |
| N04400 | 8054 | Monel 400 | 060942 | | D.G.M. (Galvanic) |
| C71500 | 8060 | Cu/Ni 70/30 | | | |

Table 1

All elements are furnished "as machined" unless otherwise specified. Exceptions are Mild Steel which are vacuum annealed.

CORRATER[®] electrodes have been made of a great variety of materials and often, in the case of special alloys, from samples provided by the customer. To give correct results electrodes must be made from defect-free stock which has been properly machined. Please contact your Rohrback Cosasco Systems representative if the alloy of interest to you is not shown in the Alloy Table.

Electrodes are also available as individual sets with part number 060814 -XXXXXX, where XXXXXX is the UNS alloy number.

Ordering Information:

| Model | Retractable 1" NPT Mounting CORRATER [®] Probe Assembly | | | |
|-------------|--|---|------------|------------------|
| 8012 | Complete probe assembly without electrodes | | | |
| 8022 | Complete probe assembly without electrodes | | | |
| | Code | Order Length | | |
| | 18 | 18" Length | | |
| | 24 | 24" Length | | |
| | 30 | 30" Length | | |
| | 36 | 36" Length | | |
| | Code | Electrode Alloy: See Table 1 | | |
| | XXXXXX | Enter UNS Number: Enter 0 if not required | | |
| | Code | Safety Clamp | | |
| | 0 | Not Required | | |
| | 1 | Installed | | |
| 8012 | — 24 | — K03005 | — 1 | ← Example |
| 8022 | — 18 | — K03005 | — 1 | ← Example |

Safety clamps should always be used for pressures above 100 PSI and/or temperatures above 150° F. Safe installation and removal of 18" to 36" probes at pressures up to 1500 PSI is achieved by means of a mechanical retracting tool. See accessories guide for details.

Note: Electrodes are packaged separately to avoid damage to the surface.

Unit Weight: Probe Assembly - 7 lbs/3.18 kg



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