

### Polatrak® RT-1Z™

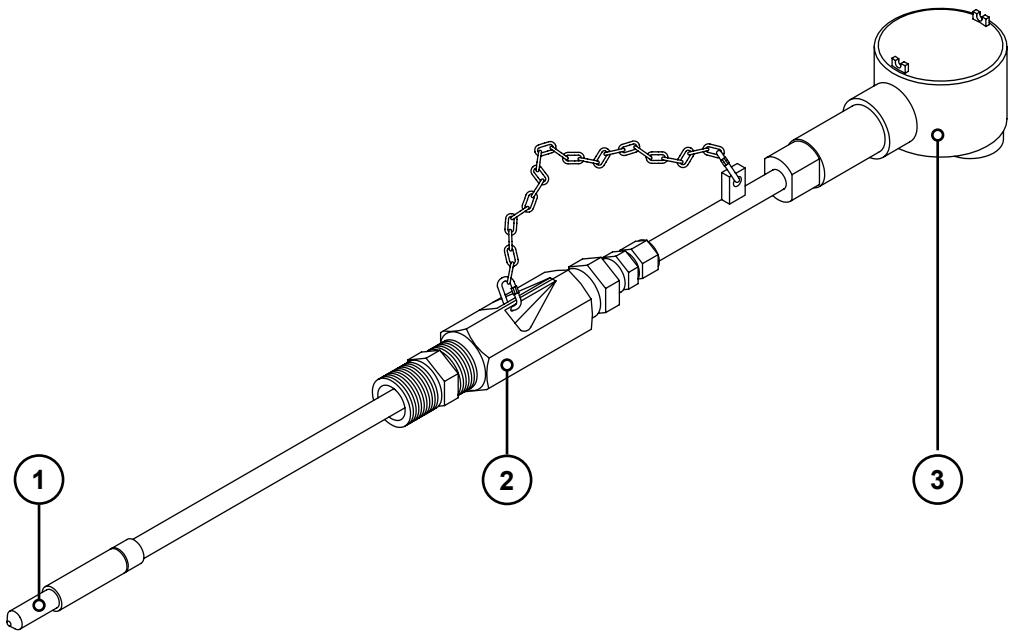
#### General

The Polatrak RT-1Z allows simple, on-line internal vessel CP monitoring.

The instrument may be left in place if on-line monitoring is required, in which case a conduit adapter is available.

The RT-1Z is rated to 150 PSI, and is suitable for most produced water vessels. Access is through a  $\frac{3}{4}$ " or larger fully-opening ball valve.

Applications include process vessels and tanks, seawater piping systems and seawater ballast tanks. The RT-1Z provides a way to monitor non-instrumented vessels and allows access under service conditions



#### Zinc electrode (Item 1)

Length (Inches) [mm]	Diameter (Inches) [mm]	Weight (lbs) [kg]
4 [101.6]	0.75 [19]	0.50 [0.23 kg]

#### Electrode composition (MIL-A-18000-K)

Element	Weight (%)
Iron (Fe)	0.005 max.
Lead (Pb)	0.006 max.
Copper (Cu)	0.005 max.
Aluminum (Al)	0.1 - 0.5
Cadmium (Cd)	0.025 - 0.070
Zinc (Zn)	Remainder

Electrode potential  
vs. Ag/AgCl-sw      (-)1.050 V

#### Packing body (Item 2)

Pressure rating	150 psi	500 psi	1,000 psi	1,500 psi
PTE (Teflon®)packing	20 ft lb	20 ft lb	25 ft lb	25 ft lb
Graphoil packing	15 ft lb	15 ft lb	20 ft lb	20 ft
Packing rings per body	<b>3/8"</b>	<b>1/2"</b>	<b>5/8"</b>	
PTE (Teflon®)packing	5	6	9	
Graphoil packing	6	7	7	

#### (Optional) explosion-proof conduit (GUAB 26) (Item 3)

Body material	Feraloy iron alloy
Body finish	Electrogalvanized and aluminum acrylic paint
Cover material	Copper-free aluminum
Cover finish	Natural
Hub size	3/4
Cover opening diameter	3"
Body height	2"
Body width	3.5"
Internal height with cover	3.5"