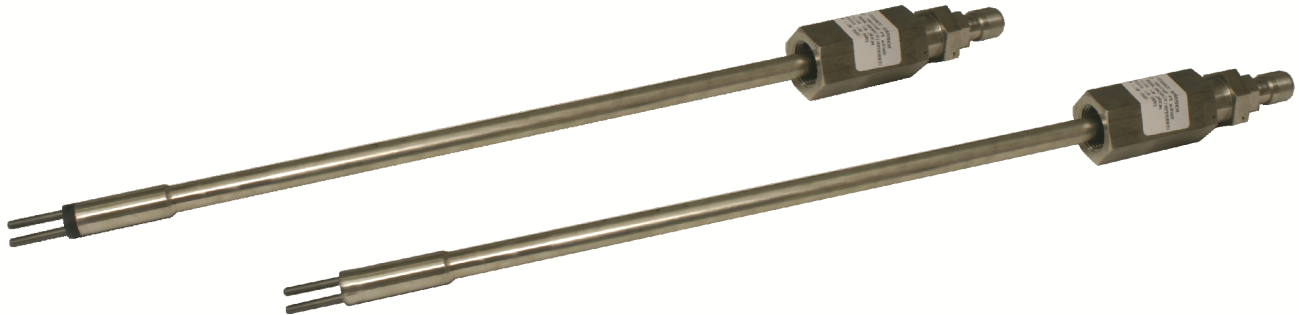


LINEAR POLARIZATION RESISTANCE (LPR) PROBE

Request A Quote

Model 8012/8022

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 Linear Polarization Resistance Probe 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 LPR RDC, AquaMate™, or Model 9030 Plus may be used in low conductivity solutions (see Fig. 1 of the LPR Probe Selection Guide). LPR Probes are used by major companies world-wide to measure corrosion in water floods, cooling water loops and other aqueous systems and to provide control of inhibitor addition for optimum economy and corrosion protection.

COSASCO®

Element Availability

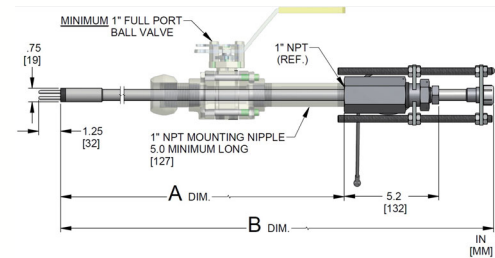
UNS Number	Alloy	UNS Number	Alloy
K03005	Pipe Grade Carbon Steel	C11000	Copper 110 ETP
S30400	304 S.S.	C70610	Cu/Ni 90/10
S30403	304L S.S.	C44300	Ars. Ad. Brass CDA #443
S31600	316 S.S.	A91100	Aluminum 1100
S31603	316L S.S.	A92024	Aluminum 2024
N08020	Carpenter 20 Cb3	R50400	Titanium Gr2
N04400	Monel 400	060942	D.G.M. (Galvanic)
C71500	Cu/Ni 70/30		

Table 1

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

LPR 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 Cosasco 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

Note: For high velocity process conditions it is recommended that Wake Frequency Calculations be performed – please contact a Cosasco representative for further details.

Model	Retractable 1" NPT Mounting LPR Probe Assembly			
8012	Complete probe assembly			
8022	Complete probe assembly			
	Code	Order Length		
	18	18" Length		
	24	24" Length		
	30	30" Length		
	36	36" Length		
	Code	Electrode Element 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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