

**GENERAL**

Caproco offers a range of high quality, high integrity linear polarization probes which utilize a projecting element configuration to measure the rate of corrosion.

LPR Probes provide the user with a direct, instantaneous measurement of the corrosion rate based on the linear polarization resistance technique. A qualitative pitting tendency can also be obtained for the metal and the electrolyte being studied. LPR probe elements are replaceable once they have corroded past their useful life.

**APPLICATION**

The Caproco Linear Polarization Resistance probe offers the advantage of fast response to changes in corrosive conditions that exist in the system being monitored. This rapid response allows the operator to evaluate the process changes and inhibition program, and make necessary adjustments.

The probe is available in 2 or 3 element configurations.

**SPECIFICATIONS**

Caproco LPR probes are manufactured from 316 stainless steel with standard AISI 1018 mild steel elements. Probe bodies and elements are available in alternative materials upon request. Standard probes are designed for mounting through a Caproco low pressure stuffing box / access fitting assembly.

Element Length	1.5" x 0.25" (38mm x 6mm)
Maximum Operating Pressure	1,500 psi (10.3 MPa)
Maximum Operating Temperature	500°F (260°C)

**PROBE SEALING** Element and connector pins hermetically sealed using high integrity glass ceramic seals.

**ENCAPSULATION** Two part loaded resin with excellent thermal, electrical and mechanical properties.

**CONNECTION** Interfaces with the Caproco LPR Analyzer and most other commercial LPR monitoring instrumentation, via a MIL standard 6 pin receptacle.



**PROBE LENGTH IS MEASURED FROM INSIDE FACE OF CONNECTOR HEAD TO ELEMENT END**

<b>PROJECTING 2 OR 3 ELEMENT RETRACTABLE LPR PROBES</b>			
<b>LENGTH</b>		<b>2 ELEMENT PART NUMBER</b>	<b>3 ELEMENT PART NUMBER</b>
<b>(INCHES)</b>	<b>(MM)</b>		
14	356	63900	63927
16	406	63902	63929
18	457	63904	63931
20	508	63906	63933
22	559	63908	63935
24	610	63910	63937
26	660	63912	63939
28	711	63914	63941
30	762	63916	63943
32	823	63918	63945
34	864	63920	63947
36	914	63922	63949
38	965	63924	63951
40	1016	63926	63953
<b>STANDARD CARBON STEEL REPLACEMENT ELEMENTS</b>		63895	63026

**OTHER LENGTHS AVAILABLE UPON REQUEST**