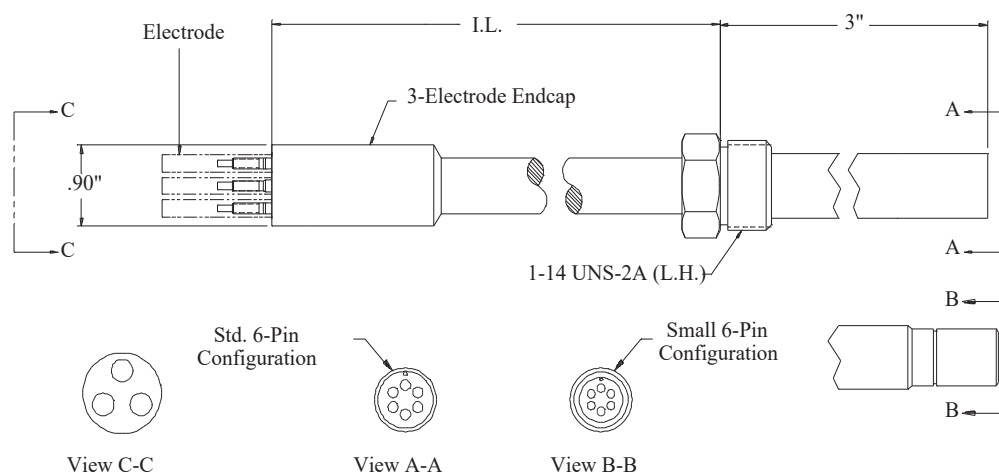


# Model LP7100

## Linear Polarization Resistance Probe Retrievable with 3-Electrode Endcap for High Pressure (HP™ and MH™) Access Systems



**Model LP7100** is a fixed-length, linear polarization resistance probe for use with HP™ and MH™ high pressure access systems. The probe assembly consists of an insertion rod with a hermetically sealed three-electrode endcap, a hollow plug nut, and a standard six-pin connector, which are all welded in place. The hollow plug nut on the probe screws into the hollow plug of the access system. This allows the probe to be installed in the process, using a retrieval tool and service valve, without process shutdown. Several standard electrodes are available to meet your specific needs. Probe adaptors are also available and must be ordered separately. The insertion length (I.L.) can range from 2.000" up to any length specified by the customer in 1/8" increments, using the formula below:

$$\text{I.L.} = \text{PD} + \text{WT} + 1.75$$

(where PD = penetration depth, WT = wall thickness)

**Note:** I.L. does not include electrode length (see Alloy Chart on back).

**Note:** Formula valid for access fitting heights of 5.25" (HP) and 5.5" (MH).

### Specifications:

**Probe Body** - 316 Stainless Steel or C276

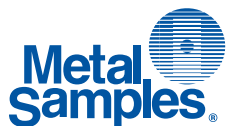
**Endcap Seal** - Glass

**Fill Material** - Epoxy

**Temperature Rating** - 500°F / 260°C

**Pressure Rating** - 3600 PSI / 245 Bar

**Mounting** - High Pressure (HP™ or MH™) Access System with Hollow Plug



### Metal Samples Company

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## LP7100 Ordering Information

Model							
HL	Linear Polarization Three-Electrode Probe for High Pressure Access System						
	<b>Mounting Material</b>						
	2	316					
	3	C276					
	<b>Connector Type</b>						
	1	Small connector					
	2	Standard connector					
	<b>LP Electrode Options</b>						
	1	Three-electrode integral type					
	<b>Seal Type</b>						
	0	Glass					
	<b>Length</b> (Round calculated length to the nearest 1/8")						
	XXXX	Length in inches, stated in 2 decimal place format (Ex: 6 1/8" = 0612)					
	<b>Options</b>						
	000	None					
<b>HL</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0612</b>	<b>000</b>	<b>Example of Probe Ordering #</b>

**Electrode Part Number - EL412XXX2800000** (XXX - use Code in Alloy Chart)

LPR probe electrodes are replaceable and sold separately. See [Electrodes](#).

Alloy Chart			
Code	Description	UNS #	Electrode Length
375	C1010	G10100	1.72"
419	CDA110	C11000	1.62"
434	CDA443	C44300	3.50"
159	316L S.S.	S31603	3.17"

For alloys, sizes, electrode lengths, or other special requirements not listed, contact our sales department.

Note: Not all alloys are available with all element types and seals.