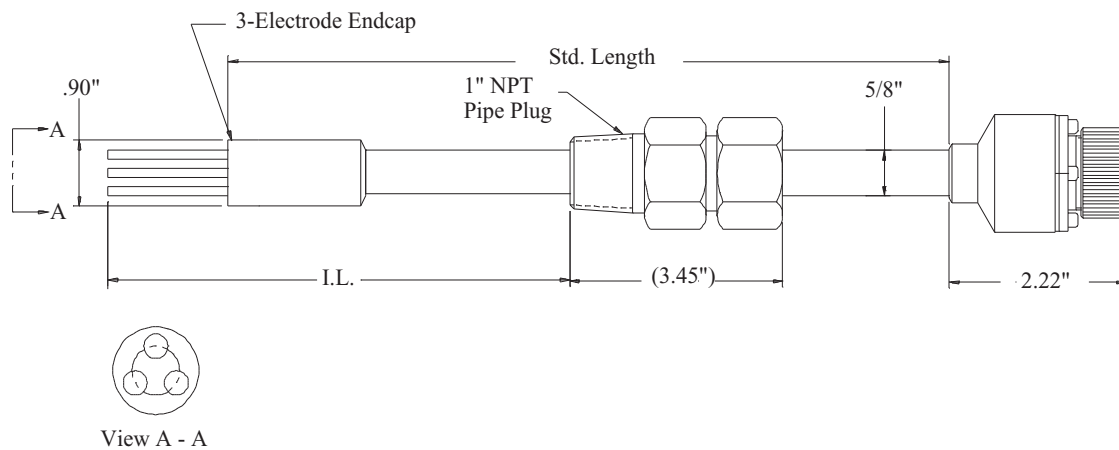


# Model LP3100

## Linear Polarization Resistance Probe Adjustable Length with 1" NPT Fitting & 3-Electrode Endcap



**Model LP3100** is a linear polarization resistance probe commonly used in laboratory, bypass-loop, and field applications. The assembly consists of a 1" NPT compression fitting, an insertion rod with a hermetically sealed three-electrode endcap, and a five-pin military connector mounted in place. The insertion length (I.L.) is calculated to the end of the electrode and can be specified by the customer. For standard probes, the maximum insertion length is given in the chart below. This maximum I.L. is based on the length of a carbon steel electrode. **Electrode lengths may vary depending on the alloy.** Electrodes are ordered separately.

### Specifications:

**Probe Body** - 316 Stainless Steel

**Endcap Seal** - Glass

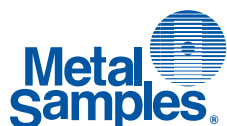
**Fill Material** - Epoxy

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

**Pressure Rating** - 1500 PSI / 102 Bar

**Mounting** - 1" NPT Fitting

Std. Length	IL (max)
8"	5.8"
12"	9.8"
18"	15.8"



### Metal Samples Company

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Houston Office: 6327 Teal Mist Lane, Fulshear, TX 77441 Phone: (832) 451-6825

## LP3100 Ordering Information

Model							
LP3	Linear Polarization Adjustable Length Pipe Plug Probe						
	<b>Pipe Plug Size</b>						
	3	1" NPT					
	<b>Probe Body Material</b>						
	22	316					
	<b>LP Electrode Options</b>						
	30	Three-electrode integral type					
	<b>Seal Type</b>						
	1	Glass					
	<b>Length</b>						
		08	5.8" max. insertion length				
		12	9.8" max. insertion length				
	18	15.8" max. insertion length					
<b>Options</b>							
	000	None					
<b>LP3</b>	<b>3</b>	<b>22</b>	<b>30</b>	<b>1</b>	<b>08</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 #
377	C1018	G10180
159	316L S.S.	S31603
419	CDA110	C11000
434	CDA443	C44300

For alloys, sizes, or other special requirements not listed, contact our sales department.  
 Note: Not all alloys are available with all element types and seals.