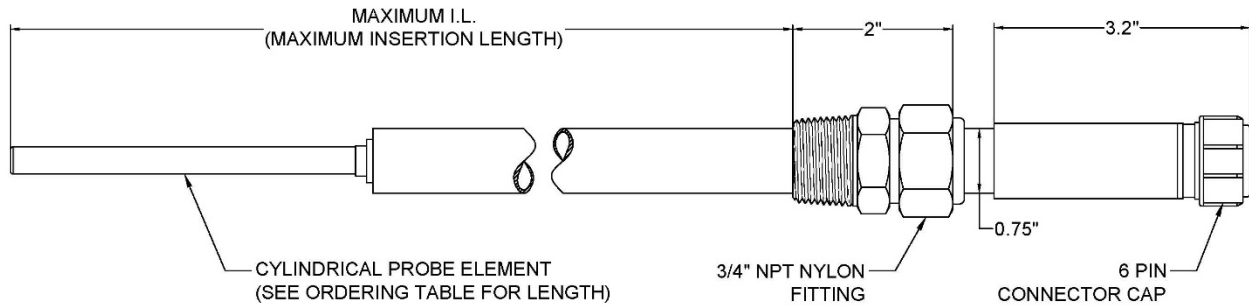


# Model ER3110

ER Corrosion Probe | Non-Metallic Body | Cylindrical Element



GROUND STRAP WITH 5 FOOT LENGTH IS ATTACHED AT 6 PIN CONNECTOR SIDE

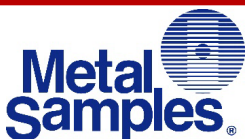
**Model ER3110** is an adjustable-length, electrical resistance (ER) probe used to monitor metal loss and corrosion rate under above-ground storage tanks. The non-metallic body eliminates the possibility of galvanic interaction that can occur with metallic insertion rods, and the optional ground lead allows the sensing element to be electrically coupled to the tank or CP rectifier.

## Key Features:

**Robust** – Cylindrical element is ideally suited for monitoring corrosion under storage tanks.

**Versatile** – Can be used to monitor the native corrosion rate or the corrosion rate under cathodic protection.

<b>Probe Body</b>	Glass Epoxy	<b>Temperature Rating</b> (w/ Nylon compression fitting)	150°F / 65°C
<b>Element Seal</b>	Epoxy	<b>Pressure Rating</b>	100 psi / 7 Bar
<b>Fill Material</b>	Epoxy	<b>Mounting</b>	3/4" NPT Pipe Plug



## Metal Samples Company

A Division of Alabama Specialty Products, Inc.  
152 Metal Samples Rd., Munford, AL 36268

Phone: (256) 358-4202 E-mail: [msc@alspi.com](mailto:msc@alspi.com) Internet: [www.metalsamples.com](http://www.metalsamples.com)

## ER3110 Ordering Information

Model							
ER3	Electrical Resistance Adjustable Length Pipe Plug Probe						
	<b>Pipe Plug Size</b>						
	2	3/4" NPT Pipe Plug					
		<b>Probe Body Material</b>					
		7E	Epoxy				
			<b>ER Element Options</b>				
			503	CT10 Cylindrical – Element length 4", 10 mil thickness (5 mil useful probe life)			
			603	CT20 Cylindrical – Element length 4", 20 mil thickness (10 mil useful probe life)			
			703	CT50 Cylindrical – Element length 10", 50 mil thickness (25 mil useful probe life)			
				<b>Maximum Insertion Length (I.L.)</b>			
				11	9.5" max. I.L. for 4" element / 15.5" max. I.L. for 10" element probe		
				32	30.5" max. I.L. for 4" element / 36.5" max. I.L. for 10" element probe		
				50	48.5" max. I.L. for 4" element / 54.5" max. I.L. for 10" element probe		
					<b>Element Alloy</b>		
				375	C1010 Carbon Steel (UNS G10100) – CT10 and CT20 only		
				378	C1020 Carbon Steel (UNS G10200) – CT50 Only		
					<b>ER Probe Options</b>		
					14	Ground Lead	
ER3	2	7E	503	11	375	14	<b>Example of Probe Ordering #</b>

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

\* Chemically equivalent to many standard pipe-grade carbon steels.