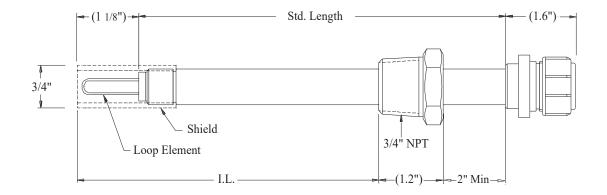
Model ER2000

Electrical Resistance Probe Fixed Length with 3/4" NPT Pipe Plug and Loop Element



Model ER2000 is a fixed-length, electrical resistance probe with a 3/4" NPT pipe plug. The probe requires process isolation or process shutdown to install and a threaded pipe fitting to mount. The probe assembly consists of an insertion rod with an element, a hermetically sealed connector, and a 3/4" NPT pipe plug, which are all welded in place. A velocity shield can be provided if required. The insertion length (I.L.) is calculated to the end of the shield and can be specified by the customer. For standard probes, the maximum insertion length is given in the chart below. Several standard loop elements are available to meet your specific needs.

Specifications:

Probe Body - 316 Stainless Steel Element Seal - Glass or Teflon® Fill Material - Ceramic or Epoxy Temperature Rating - 500°F / 260°C Pressure Rating - 3000 PSI / 204 Bar Mounting - 3/4" NPT Pipe Plug

Std. Length	IL (max)
6"	4.13"
8"	6.13"
12"	10.13"
18"	16.13"



ER2000 Ordering Information

Model												
ER2	Electric	al Resi	stance Fixed Length Pipe Plug Probe									
	Pipe P	lug Siz	ug Size									
2 3/4" NPT Pipe Plug 3 1" NPT Pipe Plug												
		Probe	Body Material									
	22 316 44 C276											
			ER El	Element Options								
00 WR40 Wire Loop - 40 mil thickness (10 mil useful prob 10 WR80 Wire Loop - 80 mil thickness (20 mil useful prob 20 TU04 Tube Loop - 4 mil thickness (2 mil useful probe li 30 TU08 Tube Loop - 8 mil thickness (4 mil useful probe li								20 mil useful probe life) nil useful probe life)				
			30	TU08 Tube Loop - 8 mil thickness (4 mil useful probe life) Seal Type								
	1 Glass 2 Teflon® 3 Epoxy											
				Length								
					06 08 12	6.13 inches max. insertion length 10.13 inches max. insertion length						
					18 16.13 inches max. insertion length							
					Element Alloy							
						XXX Use Code in Alloy Chart ER Probe Options						
							00 03	No shield				
							Insertion Length (I.L.)					
								-LLLL	Length in inches, stated in 2 decimal place format. Round calculated length down to the nearest 1/8". (Ex: 5 1/8" = 0512)			
ER2	2	22	10	1	08	375	03	-0512	Example of Probe Ordering #			

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

Alloy Chart											
Code	Description	UNS#	Code	Description	UNS#						
375	Carbon Steel *	G10100	159	316L SS	S31603						
538	5Cr 1/2Mo	K42544	A12	C276	N10276						
541	9Cr 1Mo	K90941	602	Alloy 625	N06625						
186	410 SS	S41000	419	CDA110	C11000						
141	304 SS	S30400	434	CDA443	C44300						

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

^{*} Chemically equivalent to standard pipe-grade carbon steels.