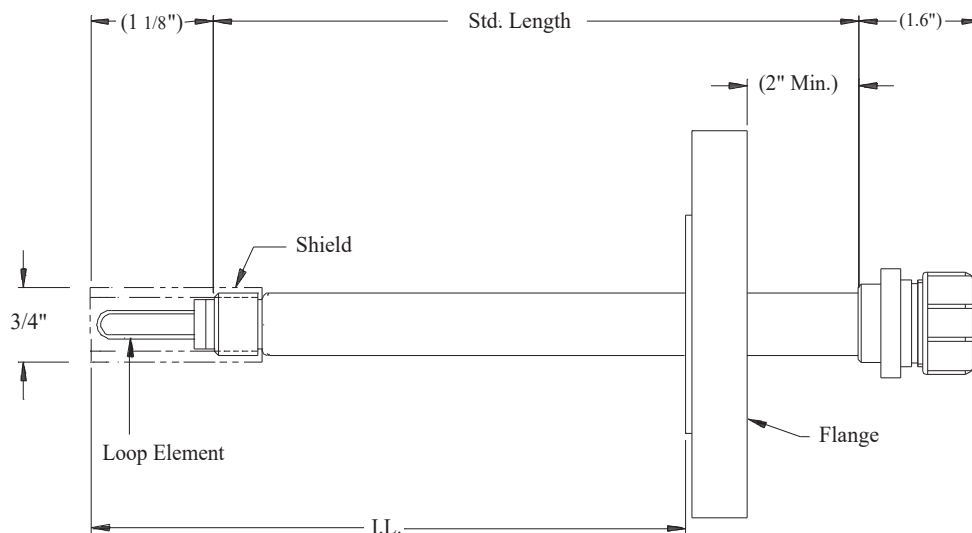


Model ER6000

Electrical Resistance Probe Fixed Length with Flange and Loop Element



Model ER6000 is a fixed-length, flange-mounted, electrical resistance probe. The probe is ideally suited for use in high pressure and/or hazardous applications where threaded fittings are not available or not recommended. Process shutdown or process isolation is required for installation and inspection. The probe assembly consists of an insertion rod with an element, a hermetically sealed connector, and a flange (as specified by customer), which are all welded in place. A velocity shield can be added to the assembly if required. A mechanical seal can also be added for additional safety. Insertion length (I.L.) is calculated to the end of the shield and, in this case, is based on a 1" total flange thickness. Customers can specify any length required. For standard probes, the maximum insertion length is given in the chart below. Several standard elements and flange sizes are available to meet your specific needs.

Specifications:

Probe Body - 316 Stainless Steel

Element Seal - Glass or Teflon®

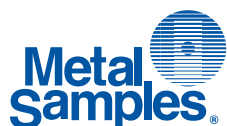
Fill Material - Ceramic

Temperature Rating - 500°F / 260°C

Pressure Rating - According to Flange Rating

Mounting - Mating Flange

Std. Length	IL (max)
8"	6.125"
12"	10.125"
18"	16.125"
24"	22.125"



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ER6000 Ordering Information

Model										
ER6	Electrical Resistance Fixed Length Probe with Flange									
Flange Size										
1	1" Flange									
2	1 1/2" Flange									
3	2" Flange									
4	3" Flange									
5	4" Flange									
7	6" Flange									
Probe Body Material										
22	316									
44	C276									
ER Element Options										
0	WR40 Wire Loop - 40 mil thickness (10 mil useful probe life)									
1	WR80 Wire Loop - 80 mil thickness (20 mil useful probe life)									
2	TU04 Tube Loop - 4 mil thickness (2 mil useful probe life)									
3	TU08 Tube Loop - 8 mil thickness (4 mil useful probe life)									
Flange Pressure Rating										
1	150 lbs.									
2	300 lbs.									
3	600 lbs.									
4	1200 lbs.									
5	1500 lbs.									
6	900 lbs.									
Seal Type										
1	Glass									
2	Teflon®									
3	Epoxy									
Length										
08	6.125 inches max. insertion length									
12	10.125 inches max. insertion length									
18	16.125 inches max. insertion length									
24	22.125 inches max. insertion length									
Element Alloy										
XXX	Use Code in Alloy Chart									
ER Probe Options										
00	No shield									
01	Shield, coupon adapter (118), hardware									
02	Shield, coupon adapter (220), hardware									
03	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)									
ER6	2	22	3	1	2	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.