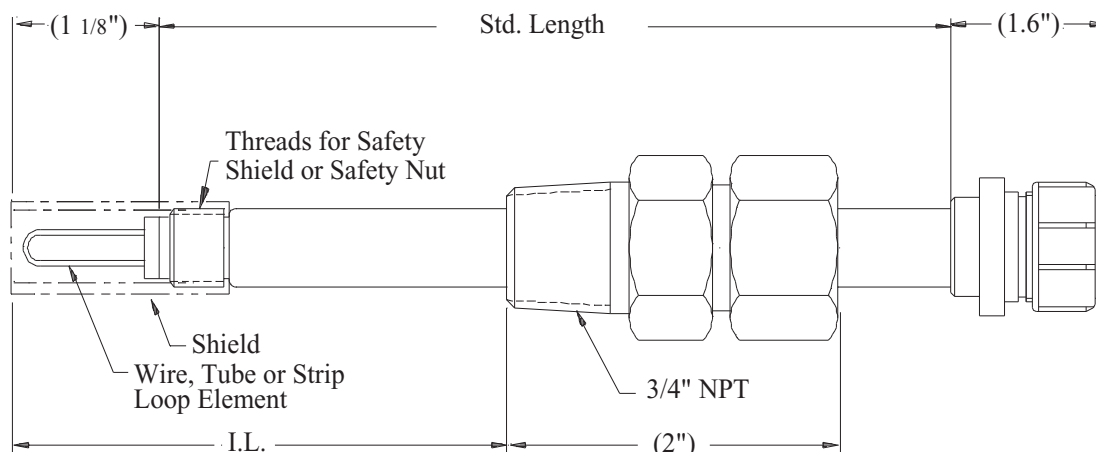


Model ER3000

Electrical Resistance Probe

Adjustable Length with 3/4" NPT Pipe Plug and Loop Element



Model ER3000 is an adjustable-length, electrical resistance probe with a 3/4" NPT compression fitting. The compression fitting allows the probe to be inserted into the process to the required length. The probe requires process isolation or process shutdown to install and a threaded pipe fitting to mount. The probe consists of an insertion rod with an element, a hermetically sealed connector, a 3/4" compression fitting, and a safety nut to prevent blow out. A velocity shield can be added to the assembly if required. The insertion length (I.L.) is calculated to the end of the shield or to the end of the element if a shield is not present. Probe length can be specified by the customer. For standard probes, the maximum insertion length is given in the chart below. Several standard elements 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 - 1500 PSI / 102 Bar

Mounting - 3/4" NPT Fitting

Std. Length	IL (max)
6"	5.33"
8"	7.33"
12"	11.33"
18"	17.33"

Supplied by:



Anode Engineering Pty Ltd | Engineering Services
30 Chetwynd Street Loganholme, Queensland 4129
Australia
P: 1800 446 400
E: admin@anodeengineering.com
www.anodeengineering.com

ER3000 Ordering Information

Model									
ER3	Electrical Resistance Adjustable Pipe Plug Probe								
	Pipe Plug Size								
	2	3/4" NPT Pipe Plug							
	3	1" NPT Pipe Plug							
	Probe Body Material								
	22	316							
	44	C276							
	ER Element Options								
	00	WR40 Wire Loop - 40 mil thickness (10 mil useful probe life)							
	10	WR80 Wire Loop - 80 mil thickness (20 mil useful probe life)							
	20	TU04 Tube Loop - 4 mil thickness (2 mil useful probe life)							
	30	TU08 Tube Loop - 8 mil thickness (4 mil useful probe life)							
	80	SL05 Strip Loop - 5 mil thickness (1.25 mil useful probe life)							
	90	SL10 Strip Loop - 10 mil thickness (2.5 mil useful probe life)							
	A0	FS04 Flush Mount Small - 4 mil thickness (2 mil usefil probe life)							
	Seal Type								
	1	Glass							
	2	Teflon®							
	2	Epoxy							
	Length								
	06	5.33 inches max. insertion length							
	08	7.33 inches max. insertion length							
	12	11.33 inches max. insertion length							
	18	17.33 inches max. insertion length							
	Element Alloy								
	XXX	Use Code in Alloy Chart							
	ER Probe Options								
	00	No shield							
	03	Shield							
ER3	2	22	10	1	08	375	03	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.

Supplied by:



Anode Engineering Pty Ltd | Engineering Services