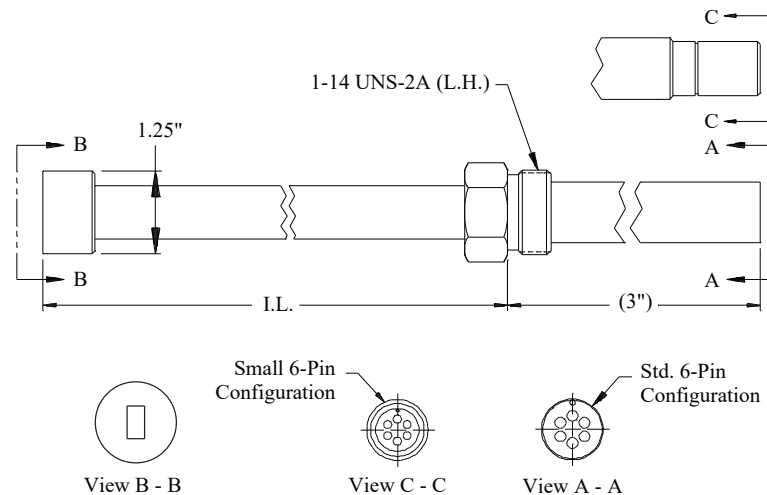


Model ER7230

Electrical Resistance Probe, Retrievable with Flush Element Large Header for High Pressure Access Systems



Model ER7230 is a fixed-length, flush-mount, retrievable, electrical resistance (ER) probe for use with high pressure access systems. The ER7230 is ideally suited for applications where the probe element should be flush with the wall of the pipe, but it can be used at any position in the line. The ER7230 has been specifically designed to minimize the negative effects of iron sulfide by maximizing the spacing between the sensing element and probe body, thus reducing the possibility of shorting by conductive buildup. The probe assembly consists of the sensing element, insertion rod, hermetically sealed connector, and an integral hollow plug nut which mates with the hollow plugs of various high pressure access systems. This allows the probe to be installed and retrieved without system shutdown using a retriever tool and service valve. The insertion length (I.L.) can range from a minimum of 1.75" up to any length specified by the customer in 1/8" increments, using the formula:

$$I.L. = PD + WT + 1.75''$$

(where PD = penetration depth, WT = wall thickness)

For top-of-the-line, flush-mount monitoring, PD = 0.

Note: Formula valid for access fitting heights of 5.25" (HP) and 5.5" (MH).

Several standard elements are available to meet your specific needs. Probe adaptors are available and must be ordered separately.

Specifications:

Probe Body - 316 Stainless Steel

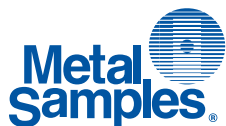
Element Seal - Epoxy

Fill Material - Epoxy

Temperature Rating - 500°F / 260°C

Pressure Rating - 3600 PSI / 245 Bar

Mounting - High Pressure Access System with Hollow Plug



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ER7230 Ordering Information

Model							
HR	Electrical Resistance Probe for High Pressure Access Systems						
	Mounting Material						
	2	316					
	3	C276					
	Connector Type						
	1	Small connector					
	2	Standard connector					
	ER Element Options						
	A3	S4 Flush Mount - 4 mil thickness (2 mil useful probe life)					
	B3	S8 Flush Mount - 8 mil thickness (4 mil useful probe life)					
	H3	S20 Flush Mount - 20 mil thickness (10 mil useful probe life)					
	Length (Round calculated length down to the nearest 1/8")						
	XXXX	Length in inches, stated in 2 decimal place format (Ex: 6 1/8" = 0612)					
	Element Alloy						
	XXX	Use Code in Alloy Chart					
ER Probe Options							
LH	Large Header						
HR	2	2	B3	0612	375	LH	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.