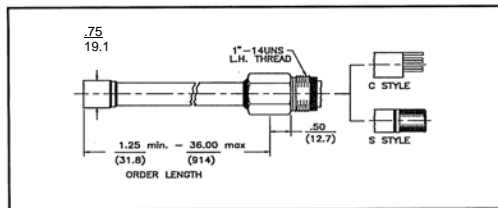
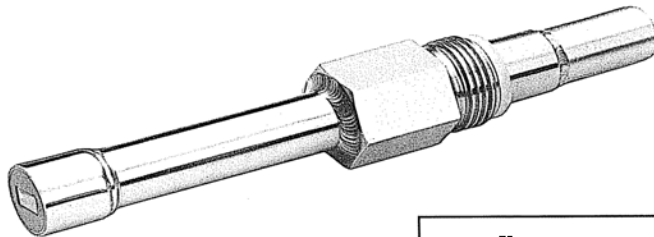


# Model 4705 CORROSOMETER® Probe

HIGH PRESSURE FLUSH



## Specifications:

- **Mounting** — COSASCO® 2" System
- **Temp. Rating** — +500 ° F/+260 ° C
- **Pressure Rating** —6000 PSI/41.3 MPa
- **Element Seal Material** —Glass
- **Fill Material** - Ceramic
- **Probe Body Material** — 316L S.S.

A new style of the Model 4705 probe is now available with an even more durable construction and incorporating a connector with shrouded pins to prevent accident damage. It is recommended for all new installations. This new style incorporates welded shields where required and requires a different probe connecting adaptor (see order details).

This high pressure probe can be read by any CORROSOMETER® corrosion monitoring instrument. The rugged probe body is 316L Stainless Steel. It may be used at operating pressures to 6000 PSI (41.3 MPa) and temperatures to +500° F (+260° C).

Probe adapters are required to make the cable connection to the probe. Use the following order numbers for adapters: 028068 for permanent instrumentation and 028043 for portable instrumentation (new style connector

only). Based upon a standard access fitting height of 5.25" and a 1/16" weld gap per ANSI B31.1, the following equation may be used to determine the order length.

$$\text{Ordering Length} = T + 1.25''$$

Where: T = Wall thickness of pipe or vessel. The order length should be rounded down to the nearest 1/8".



## Element Availability:

UNS Number	Alloy Code	Alloy	S8	UNS Number	Alloy Code	Alloy	S8
K03005	-----	Pipe Grade Carbon Steel	■	S31600	8020	316 S.S.	■
S30400	8013	304 S.S.	■	S31603	8021	316L S.S.	■
S30403	8014	304L S.S.	■				
<b>Inches Useful Range (mm)</b>			.004 .100	<b>Inches Useful Range (mm)</b>			.004 .100

**Table 1**

Other element alloys may be supplied subject to material availability

## Ordering Information:

Model	Retrievable Corrosometer Probe – Spiral Strip Element						
4705	Complete Probe Assembly						
	<b>Code</b>	<b>Element Form: See Table 1 for Availability</b>					
	S8	Flush Strip Element, 8 mil thickness (4 mil useful probe life)					
		<b>Code</b>	<b>Element Alloy: See Table 1 for Availability</b>				
		XXXXXX	Enter UNS Number				
			<b>Code</b>	<b>Order Length</b>			
			XX.XXX	Inch Order Length in "Increments from 2.00" to 36.00"			
				<b>Code</b>	<b>Connector</b>		
				0	"S" Type With Shrouded Pins <sup>(1)</sup>		
				1	"C" Type (Old Style) <sup>(1)</sup>		
<b>4705</b>	<b>— S8</b>	<b>— K03005</b>	<b>— 2.00</b>	<b>— 0</b>	<b>← Example</b>		

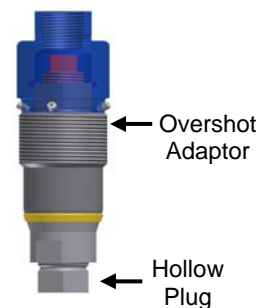
**Note:** <sup>(1)</sup> New style probe with shrouded pins has probe connecting adapters as follows – for portable instrument 028043, for permanent connection 028068. Old style probe uses connecting adapters – for portable instrument 060913, for permanent connector 745046.

**Unit Weight:** Probe length 3.25" - 12", 3 lbs. / 1.36 kg.  
 Probe length 12.25" - 24", 4.5 lbs. / 2.04 kg.  
 Probe length 24.25" - 36", 6 lbs. / 2.72 kg.

### RECOMMENDED:

#### Overshot Adapter: P/N 126292

An overshoot adapter is not required, but is recommended for use with the 4700 probe. It permits removal and installation of hollow plug with probe and a steel pipe plug in place (keeps inside of probe area clean and dry).



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