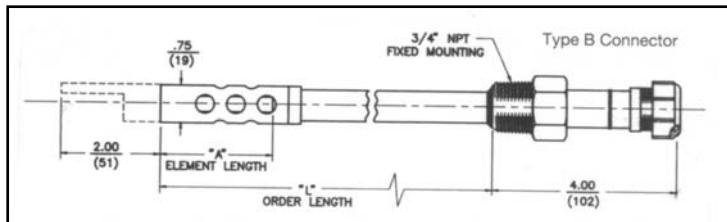


# Model 2500/2500HT CORROSOMETER® Probe

Cylindrical Element



Element Type	"A" Dimension Element Length	"L" Dimension Order Length
T10	2.25 (57mm)	5.00 (127 mm)
T20	4.00 (102mm)	5.00 (127mm)
T50	10.00 (254 mm)	12.00 (305 mm)

## Specifications:

- **Mounting** — 3/4" NPT Fixed
- **Temp. Rating** — +500 °F/+260° C Standard Model 2500  
— +1000 °F/+540° C High Temp. Model 2500HT
- **Pressure Rating** — 4000 PSI/27.6 MPa
- **Element Seal Material** — All Welded
- **Fill Material** — Ceramic
- **Body Material** — Same as element

Model 2500 fixed process probes have a thin walled cylindrical sensing element which is welded onto a body of the same material. Not other materials are in contact with the corrosive medium. Welds are vacuum annealed during assembly to avoid preferential corrosion effects. They may

be used in aggressive organic or inorganic fluids over the entire pH range. These probes are standard in mild steel, 304 S.S. and 316 S.S. but can be supplied in other materials. These probes can not be removed while system is under pressure.

## Element Availability:

UNS Number	Alloy Code	Alloy	T10	T20	T50	UNS Number	Alloy Code	Alloy	T10	T20	T50
K03005	-----	Pipe Grade Carbon Steel	•	•	•	N08020	8043	CARP 20-Cb3		•	
G41300	8005	4130 Carbon Steel		•		-----	8046	9% Cr 1% Mo		•	
S30400	8013	304 S.S.	•	•	•	N02200	8048	Nickel 200	•	•	
S30403	8014	304L S.S.	•	•		N04400	8054	Monel 400	•	•	
S31000	8018	310 S.S.	•			N06600	8057	Inconel 600	•		
S31600	8020	316 S.S.	•	•		N06625	8058	Inconel 625		•	
S31603	8021	316L S.S.	•	•		C71500	8060	CuNi 70/30 CDA #715		•	
S31700	8022	317 S.S.		•		N10665	8086	Hastelloy B2		•	
S32100	8024	321 S.S.		•		N10276	8088	Hastelloy C-276		•	
S50200	8040	502 S.S. (5% Cr 1/2% Mo)	•	•		N06007	8089	Hastelloy-G		•	
N08904	8041	904L S.S.	•			R50400	8093	Titanium Grade 2 & 4		•	
		Inches Useful Range (mm)	.005 .127	.010 .254	.025 .635			Inches Useful Range (mm)	.005 .127	.010 .254	.025 .635

**Table 1**

Other element alloys or styles may be supplied subject to material availability.

## Ordering Information:

Model	Fixed NPT Mounting CORROSOMETER® Probes – Cylindrical Element				
2500	Complete Probe Assembly				
2500HT	Complete Probe Assembly – High Temperature				
	<b>Code</b>	<b>Element Form: See Table 1 for availability</b>			
	<b>T10</b>	10 mil thickness (5 mil useful probe life)			
	<b>T20</b>	20 mil thickness (10 mil useful probe life)			
	<b>T50</b>	50 mil thickness (25 mil useful probe life)			
	<b>Code</b>	<b>Element Form: See Table 1 for availability</b>			
	XXXXXX	Enter UNS Number			
	<b>Code</b>	<b>Order Length</b>			
	0	Standard Length – 5.00 inches for T10 or T20, 12.00 inches for T50			
	<b>Code</b>	<b>Shield</b>			
	0	Not Included (max liquid velocity 8 ft/sec, gases 25 ft/sec)			
	1	Element Support (max liquid 25 ft/sec, gases 75 ft/sec)			
	2	High Velocity (max liquid 50 ft/sec, gases 150 ft/sec)			
	3	Coupon Holding (max liquid 25 ft/sec, gases 75 ft/sec)			
<b>2500</b>	<b>– T20</b>	<b>– K03005</b>	<b>– 0</b>	<b>– 1</b>	<b>← Example</b>
<b>2500HT</b>	<b>– T20</b>	<b>– K03005</b>	<b>– 0</b>	<b>– 1</b>	<b>← Example</b>

Unit Weight: 3 lbs/1.36 kg



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