MODEL 2500/2500HT



Features

- Cylindrical Element
- Mounting 3/4" NPT Fixed
- Temperature Rating $+500^{\circ}$ F / $+260^{\circ}$ C Standard Model 2500 $+1000^{\circ}$ F / $+540^{\circ}$ 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 electrical resistance probes have a thin walled cylindrical sensing element which is welded onto a body of the same material. No 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 cannot be removed while system is under pressure.



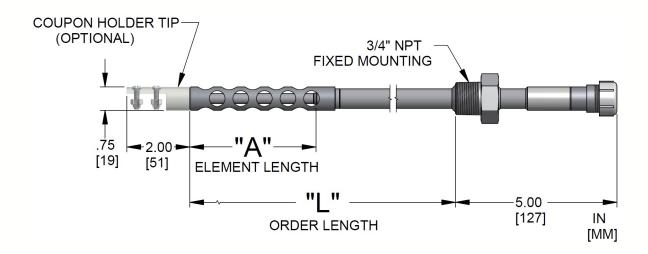
Element Availability

UNS Number	Alloy	T10	T20	T50	UNS Number Alloy		T10	T20	T50
K03005	Pipe Grade Carbon Steel	•	•	•	N08020	CARP 20-Cb3	•	•	
A106GRB	A106 Gr.B	•	•		S50400	9% Cr 1% Mo	•	•	
S30400	304 S.S.	•	•	•	N04400	Monel 400	•	•	
S30403	304L S.S.	•	•		N06600	Inconel 600	•	•	
S31600	316 S.S.	•	•		N06625	Inconel 625	•	•	
S31603	316L S.S.	•	•		N08825	Incoloy 825	•	•	
S31703	317 S.S.	•	•	•	N10276	Hastelloy C-276	•	•	
S31803	2205 Duplex S.S.	•	•		A333GR6	A333 GR.6		•	
S32100	321 S.S.	•	•						
S41000	410 Stainless Steel	•	•						
S50200	502 S.S. (5% Cr 1/2% Mo)	•	•						
N08904	904L S.S.	•	•						
	Inches	.005	.010	.025		.005	.010	.025	
	Useful Range (mm)	.127	.254	.635	Useful Range (mm)			.254	.635

Table 1

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

Dimensions



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)			

Ordering Information

Model	F	Fixed NPT Mounting Probes – Cylindrical Element									
2500	С	omplet	plete Probe Assembly								
2500H	ГС	omplet	te Pr	obe Assembly – High Temperature							
		Code		Element Form: See Table 1 for availability							
		T10		10 mil thickness (5 mil useful probe life)							
		T20		20 mil thickness (10 mil useful probe life)							
		T50		50 mil thickness (25 mil useful probe life)							
				Code Element Alloy: See Table 1 for availability							
				XXXXXX Enter UNS Number						per	
						Code Order Length					
			Ī	0		Standa	rd Length – 5.00 inches for T10 or T20, 12.00 inches for T50				
									Code	Shield	
								Î	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)	
↓		. ↓			↓		. ↓		+		
2500	_	T20	_	. ко	3005	_	- o	_	- 1	Example	
2500H	г —	T20	_	. ко	3005	_	- 0	_	- 1	Example	

Unit Weight: 3 lbs./1.36 kg

*Coupon holding tip will extend 2" beyond order length coupon holding shields, use CI-RS strip coupons.

Cosasco

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