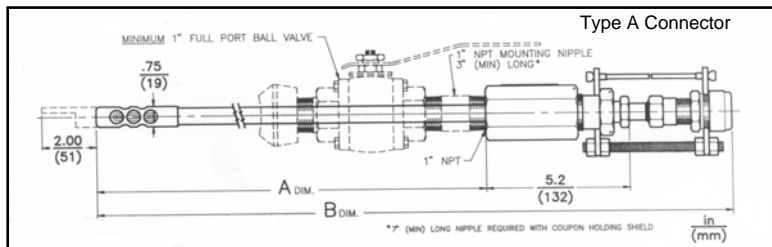


Model 3000/3000G CORROSOMETER® Probes

LOOP ELEMENT



Order Length	"A" Dimension		"B" Dimension	
	Inches	mm	Inches	mm
18	15.2	386	23.4	595
24	21.2	538	29.4	752
30	27.2	690	35.4	900
36	33.2	843	41.4	1052

Specifications:

- **Mounting — 1" Full Port Valve Minimum**
- **Temp. Rating — +500 °F/+260 °C**
- **Pressure Rating — 1000 PSI/6.9 MPa**
- **Element Seal Material — Teflon® (Model 3000)
Glass (Model 3000G)**
- **Fill Material — Ceramic**
- **Probe Body Material — Stainless Steel**

Model 3000/3000G retractable process probes provide flexibility and economic replacement via probe inserts. The Model 3000G also provides the added durability of a glass-sealed element. Both models employ sensing elements made from wire, strip, or small diameter tubing, formed into a hairpin loop. Alloys and element styles normally available are listed in Table 1. Other alloys or element styles may be subject to material availability.

These probes may be used up to their design temperatures and pressures in organic or inorganic fluids of all types, in the

pH range 0-9. Above pH 9 or for other extremely aggressive service, Model 3500 Probes are recommended. In applications where stainless steel bodies would be subject to failure due to stress cracking or severe pitting, or for probes made of special materials, contact the factory for specific information before ordering. Probes specified by a complete probe order number include both a housing body for mounting and a replacement measuring element insert. The insert may be ordered separately as needed.

Element Availability:

UNS Number	Alloy Code	Alloy	S4	S8	T4	T8	W40	W80	UNS Number	Alloy Code	Alloy	S4	S8	T4	T8	W40	W80
K03005	-----	Pipe Grade Carbon Steel	•	•	□	□	□	□	S50200	8040	502 S.S. (5% cR 1/2% Mo)				•	•	
G41300	8005	4130 Carbon Steel			•	•	•		C11000	8061	Copper 110 ETP	•	•	•	•	•	
S30400	8013	304 S.S.	•		□	□	□	□	C70610	8062	CuNi 90/10 CDA #706			•		•	
S30403	8014	304L S.S.	•		□	□	□	□	C44300	8073	Ars. Adm. Brass CDA #443	•	•				•
S31000	8018	310 S.S.			•				A95154	8078	Aluminum 5154						•
S31600	8020	316 S.S.	•		□	□	□	□	A96061	8079	Aluminum 6061				•	•	
S31603	8021	316L S.S.	•		□	□	□	□	A91100	8080	Aluminum 1100				•	•	
S31700	8022	317 S.S.					•		Z21220	8090	Zinc 1A, 1, 2, 3, 4, 5	•					
S32100	8024	321 S.S.			•	•	□	•									
S41000	8030	410 S.S.					□										
Inches Useful Range (mm)			.001 .025	.002 .051	.002 .051	.004 .100	.010 .250	.020 .510	Inches Useful Range (mm)			.001 .025	.002 .051	.002 .051	.004 .100	.010 .250	.020 .510

Table 1

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

- Model 3000
- Model 3000G

Ordering Information:

Model	Retractable CORROSOMETER® Probes – Teflon/Ceramic and 304 Wetted Parts					
3000	Complete Probe Assembly					
3001	Model 3000 Replacement Insert					
3000G	Complete Probe Assembly					
3001G	Model 3000G Replacement Insert					
Code	Element Form: See Table 1 for availability					
S4	Strip Loop, 4 mil thickness (1 mil useful probe life) (Model 3000/3001 only)					
S8	Strip Loop, 8 mil thickness (2 mil useful probe life) (Model 3000/3001 only)					
T4	Tube Loop, 4 mil thickness (2 mil useful probe life)					
T8	Tube Loop, 8 mil thickness (4 mil useful probe life)					
W40	Wire Loop, 40 mil diameter (10 mil useful probe life)					
W80	Wire Loop, 80 mil diameter (20 mil useful probe life)					
Code	Element Alloy: See Table 1 for availability					
XXXXXX	Enter UNS number					
Code	Order Length					
18	18 Inches					
24	24 Inches					
30	30 Inches					
36	36 Inches					
Code	Safety Clamp (Not an option for 3001/3001G)					
0	Not Included					
1	Safety Clamp Installed					
Code	Shield (Not an option for Model 3001/3001G)					
1	Standard Shield (liquids to 20 ft/sec, gases to 60ft/sec)					
2	High Velocity/Erosion Shield (liquids to 50 ft/sec, gases to 150 ft/sec)					
3	Coupon Holding Shield (liquids to 20 ft/sec, gases to 60 ft/sec)					
3000	W40	K03005	18	1	1	Example
3001	W40	K03005	18			Example

Unit Weight: Probe assembly with Safety Clamp - 7 lbs / 3.18 kg Insert Only: 1 lb/.45 kg
Accessories: Part Number if ordering Shield separately:
 Standard Shield #030919 — High Velocity / Erosion Shield # 030930
 Coupon Holding Shield #623001



Rohrback Cosasco Systems, Inc.
 11841 East Smith Avenue
 Santa Fe Springs, CA 90670, USA
 Tel: (1) 562-949-0123 Fax: (1) 562-949-3065
 US Toll Free: 800-635-6898
 E-Mail: sales@cosasco.com
 Web Site: <http://www.cosasco.com>

