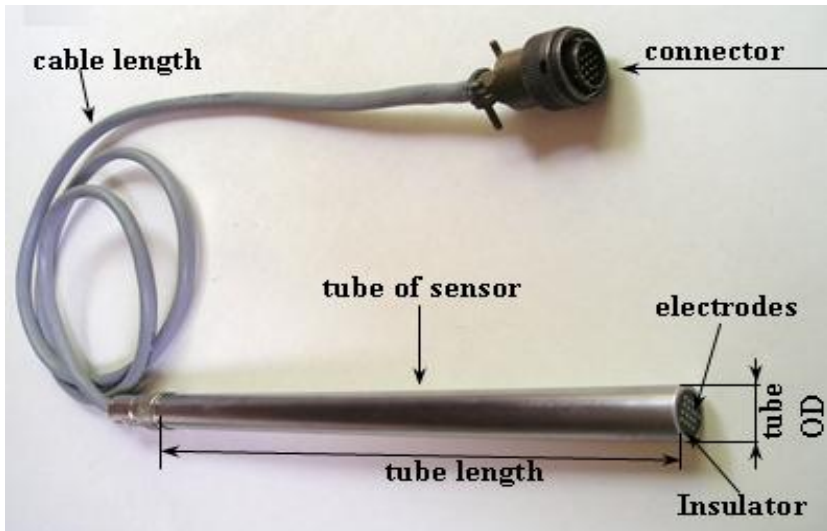


(1) CMS Probes with Flush Mounted Electrodes



Typical Applications:

- Quantitative Corrosion Monitoring and Electrochemical Studies for:
 - Pitting corrosion
 - Crevice corrosion
 - General corrosion (most types)
 - Inhibitor evaluation
 - [Cathodic/anodic protection \(PDF\)](#)
- in the following environments:
 - Aqueous solution
 - Humid gases
 - Soil
 - Oil-water mixture
 - Under bio-deposits

How to Order:

More details see
Table 1 and table 2

Example: G10100-40-16-2-625-12-E-M-5

SEM-SED-NE-TMC-TOD-TL-In-CT-CL

Sensing Electrode Material in UNS
(e.g., G10100 for CS 1010, S30400 for SS 304)

Sensing Electrode Diameter in mil
(inchx1000 e.g. 40 for 0.04", 75 for 0.075")

Number of Electrodes in the Sensor (e.g. 8, 9, 16, 25)

Tube Material Code
e.g. 1 for SS 304
2 for SS 316
3 for C276
4 for PVC
5 for Nylon
6 for Others



Cable length in foot

Connector Type
M for Military
D for D-Shape connector

Insulator
E for Epoxy
P for PTFE

Tube Length in inches, See Table 1

Tube Outside Diameter in inches times 1000
(e.g. 750 for 3/4", 500 for 1/2"). Standard TOD
varies depend on SED and NE (see Table 2)

Table 1. Details for Ordering the CMS Probes with Flush Mounted Electrodes	
Order Code	Selections
Sensing Electrode Materials(SEM)	Carbon Steels, Stainless Steels (304, 316, etc), Al-based Alloys, Ni-Based Alloys, Cu-Based Alloys
Sensing Electrode Diameter (SED)	0.25 mm to 3 mm (0.01" to 0.125")
Number of Electrodes(NE)	9, 16, 25 for corrosion monitoring, up to 100 for lab studies
Tubing Material Code(TMC)	1 for 304 SS, 2 for 316 SS, 3 for C276, 4 for PVC, 5 for Nylon, 6 for others
Tubing Outside Diameter(TOD)	12.7 mm to 31.75 mm (1/2" to 5/4") ----> Details See Table 2
Tubing Length (TL)	5 cm to 100 cm (2" to 40")
Insulator (In)	E for Epoxy, P for PTFE
Connector Type (CT)	M for Military Connector, D for D-Shape Computer Cable Connector
Cable Length (CL)	1 to 90 m (3 to 300 ft)

Table 2. Standard Tube Nominal Size for Different Electrode - Flush-Mounted CMS Probe Configurations*		
Sensing Electrode Diameter (SED)	Number of Electrodes (NE)	Tube Outside Diameter (TOD)
0.25-0.5 mm (0.01 to 0.02")	8-16	12.7 mm (1/2")
	17,25	19.05 mm (3/4")
	25-50	25.4 mm (1")
0.51 to 1.6 (0.021 to 0.0625")	8-16	15.88 mm (5/8")
	17-25	19.04 mm (3/4")
	25-50	25.4 mm (1")
1.61 to 3 (0.0626" to 0.118")	8-16	19.05 mm (3/4")
	17-25	25.4 mm (1")
	25-50	31.75 mm (1.25")
* Non-standard configurations are available. Contact factory.		