

Forbes Marshall Conductivity/ Resistivity Sensors

FM 5510/ 5511/ 5512

Forbes Marshall offers a range of 2-pole Conductivity/ Resistivity sensors for all types of demanding chemical and corrosive applications.

Body and sensor material of construction is chemically resistant titanium

Wide measuring range with choice of cell constant from 0.01, 0.1 and 1

Available in ¾" NPT (M) and 1.5" TC connections

Built-in temperature sensor (Pt 100)

Model number and serial number engraved on the sensor body for traceability.

4- pin glass polyester connector with IP 65

Two concentric titanium electrodes with PEEK insulator

Applications

DM, RO and softened water

Purified water and water for injection

Chemical leak detection system

Boiler water and condensate

Cooling water loop

Corrosive samples with higher conductivity

SWRO process



Specifications

True cell constant value	k = 0.01/0.1/1 (±1%) measured
Temperature	Max 125°C at 10 bar
Pressure	Max 10 bar at 125°C
Sensor connection	3/4" NPT(M) OR 1.5" TC

Sensor Materials

Body (upper part)	Titanium
Internal electrode*	Titanium
External electrode*	Titanium
Insulator*	PEEK
Connector	4 pin glass polyester type

Ordering Information

Model	Connection	Cell Constant (k)
FM 5510	3/4" NPT (M)	0.01
FM 5511	3/4" NPT (M)	0.1
FM 5511-1.5"	1.5" TC	0.1
FM 5512	3/4" NPT (M)	1
FM 5512-1.5"	1.5" TC	1

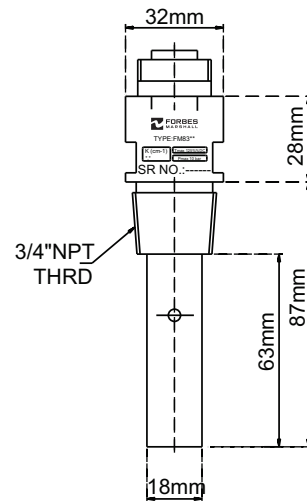
Suitable Electrode Cables

Item Code	Lengths
M4E-CCAB5M-FM83XX	5 Mtrs.
M4E-CCABLE-10M	10 Mtrs.
M4E-CCABLE-20M	20 Mtrs.

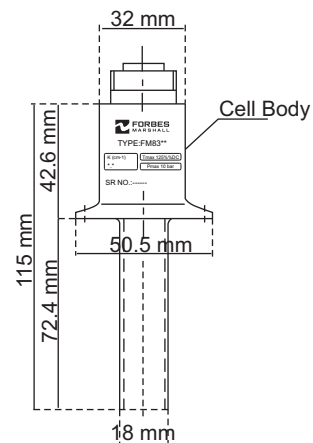
Suitable Flow Through Chamber

Item Code	Description
FGC2011705	PP make Flow through chamber with 1/2" NPT (F) connections
FGC2013449	SS make Flow through chamber with 1/2" NPT (F) connections

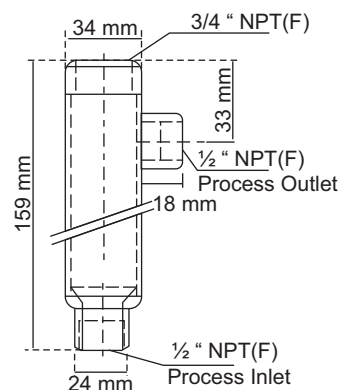
* Part in contact with fluid



Sensor with 3/4" NPT connection



Sensor with 1.5" TC connection



SS/PP flow chamber



Forbes Marshall
Krohne Marshall
Forbes Marshall Arca
Codel International
Forbes Solar
Forbes Vyncke
Forbes Marshall Steam Systems

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