

FM Conductivity/ Resistivity Sensors

FM 8310 / 8311 / 8312

Forbes Marshall offers the range of 2-pole Conductivity/ Resistivity sensors for all types of industrial applications.

- Body and sensor MOC is chemically resistant SS316L
- 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

Applications

- DM, RO and Softened water
- Purified water and water for injection
- Chemical leak detection system
- Boiler water and condensate



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)	SS 316 L
Internal electrode*	SS 316 L
External electrode*	SS 316 L
Insulator*	Teflon
Connector	Glass Polyester

Ordering Information

Model	Connection	Cell Constant (k)
FM 8310	3/4" NPT (M)	0.01
FM 8394-1.5"	1.5" TC	0.01
FM 8311	3/4" NPT (M)	0.1
FM 8311-1.5"	1.5" TC	0.1
FM 8312	3/4" NPT (M)	1
FM 8312-1.5"	1.5" TC	1

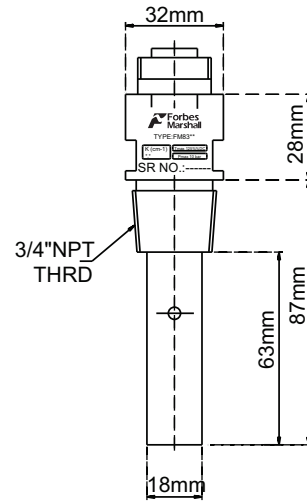
Suitable Electrode Cables

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

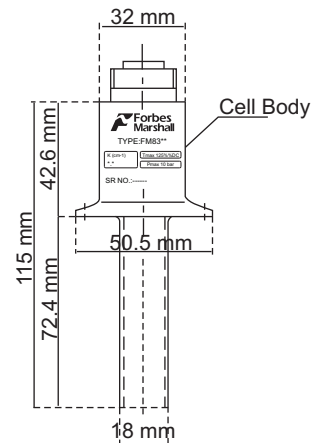
Suitable Flow Through Chamber

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

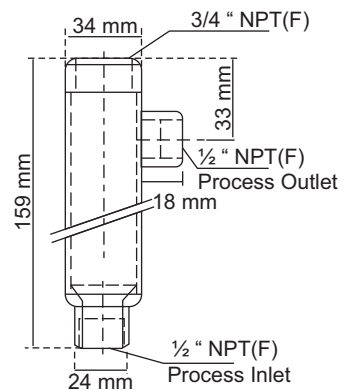
* Part in contact with fluid



Sensor with 3/4" NPT connection



Sensor with 1.5" TC connection



SS/PP Flow Chamber



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

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