



Description

For years the MS series of epoxy body probes have been known as the most extensive conductivity probes on the market. The new AS series represent a major upgrade.

The AS conductivity probes feature 316 stainless steel electrodes and polypropylene shells that will satisfy just about any industrial, power plant or laboratory application. This technology, insures that, with reasonable maintenance, years of drift-free performance can be expected.

Five cell constants from 0.05 to 10 are available to cover any water sample between pure water and saline conditions. All types are designed with a safety stop shoulder on the cell.

Integral automatic temperature compensation is standard on all types and provides compensation to 25°C when used with a compatible analyzer. Carefully selected thermistors are located in such a way as to give close thermal contact with the liquid being measured to assure fast response to changing temperature.

Flow-through mounting incorporates a special compression fitting which allows adjustable insertion length in 3/4 inch NPT piping or in the side of a tank. This design avoids the nuisance of disconnecting the cell cable when installing or removing the cell for cleaning.

Submersion mounting is achieved by reversing the direction of the compression fitting, allowing the cell to be threaded into the MHMSC mounting hardware. Mounting hardware is available which includes a 2 foot length of CPVC pipe and a simple but versatile adjustable bracket for hanging on the rim of the tank.

Ball Valve (“Hot-Tap”) types permit removal of the cell from process piping or from tanks without shutting down the system. They are available with in CPVC.

Features

- 316 Stainless Steel Electrodes
- Economically Priced
- Automatic Temperature Compensation
- Adjustable Insertion Length
- Ball Valve “Hot Tap” Types
- Constants 0.05, 0.1, 0.5, 1.0, and 10
- High Temperature Versions

Applications

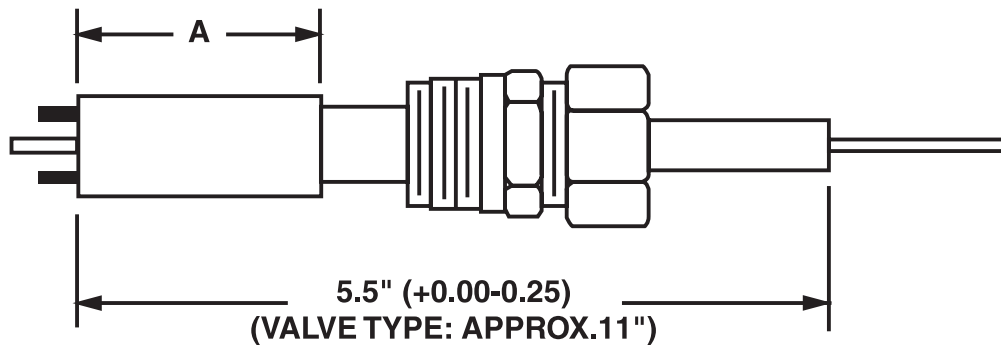
- Boilers
- Cooling towers
- High purity water applications
- Pharmaceutical Applications
- Reverse osmosis systems
- Food and Beverage

Model AS Conductivity Cells

Technical Data

Cell Constants	0.05, 0.1, 0.5, 1.0 and 10.	Temperature and Pressure		
Thread size	3/4" NPT	Type	Max pres. (psi)	Max temp. (°C)
Temperature Compensation*	Automatic, 0 to 105°C	P	50	60
Cable Length	20 ft. (6.1 m)		100	50
Insertion Length	Variable. See table below		150	20
Wetted Materials	316 stainless steel, polypropylene, Epoxy and EPDM. Compression fitting: CPVC or 316 stainless steel.	S	200	105
Safety Feature	Shoulder on cells provides an integral safety stop			
Temperature and Pressure	3 metres (10 ft.) coaxial, terminated with a spade lug for active electrode, other wires tinned			
	316 stainless steel, polypropylene, epoxy and EP			

Dimensions



Related Products

- NS Series of probes
- MHMSC, 24 inch (610 mm) long 1" CPVC pipe w/ cable clamp
- MS-HTC, 3/4" socket-weld CPVC ball valve assembly

Ordering Information

Cell Constant Selection		Temperature Compensation Device Selection		Type Selection	
Constant	Code	Description	Code	Description	Code
0.05	005	PT1000 RTD	1	Cell with PVC fitting	P
0.1	01	3000 ohm NTC	2	Cell with 316 stainless steel fitting	S
0.5	05	3000 ohm NTC		Cell for Ball Valve Assembly	HT
1.0	1				
10	10				