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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 a choice of 316 stainless steel or graphite electrodes and Noryl 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 0.01 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. Users can choose between a 1000  $\Omega$  RTD or 3 k $\Omega$  thermistor. Either element is placed 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

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- 316 SS or graphite Electrodes
- Economically Priced
- Automatic Temperature Compensation
- Adjustable Insertion Length
- Ball Valve “Hot Tap” Types
- Constants 0.01, 0.1, 1.0, 10 and 50.
- Choice of 3 k $\Omega$  thermistor or 1000  $\Omega$  RTD for automatic temperature compensation.

### Applications

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

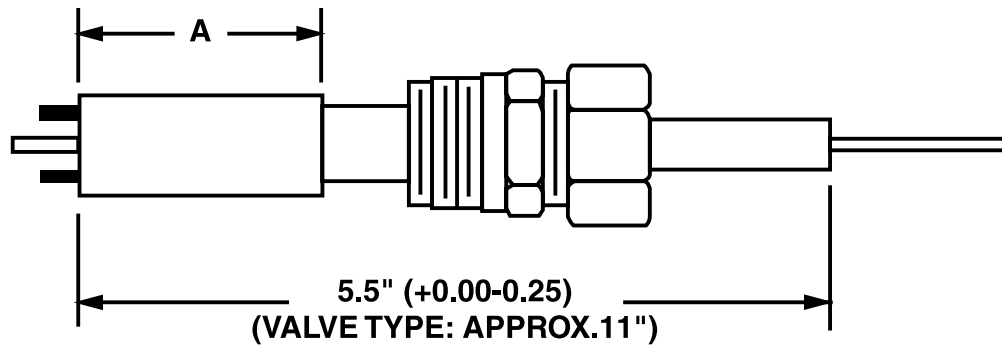
# Model AS Conductivity Cells

## Technical Data

Cell Constants	0.01, 0.1, 1.0, 10 and 50
Electrodes	316 SS or impregnated graphite
Other Wetted Materials	Noryl, Epoxy and EPDM. Compression fitting: CPVC or 316 SS
Thread size	3/4" NPT
Temperature Compensation*	Automatic, 0 to 105°C
Cable Length	<b>20 ft. (6.1 m)</b>
Insertion Length	Variable. See figure below.
Safety Feature	Shoulder on cells provides an integral safety stop.
Cable	3 m (10 ft.) coaxial, terminated with a spade lug for active electrode, other wires tinned.

Temperature and Pressure	Max pres. (psi)	Max temp. (°C)
	50	60
	100	50
	150	20

## Dimensions



## Related Products

MHMSC, 24 inch (610 mm) long 1" CPVC pipe w/ cable clamp

MS-HTC, 3/4" socket-weld CPVC ball valve assembly

AM3422, AM3444 and AM3455 316 SS body conductivity sensors

## Ordering Information

Cell Constant Selection		Temperature Compensation Device Selection		Type Selection	
Constant	Code	Description	Code	Description	Code
0.01	001	PT1000 RTD	1	Cell with PVC fitting	P
0.1	01	3 kΩ ohm NTC	2	Cell with 316 stainless steel fitting	S
1.0	1			Cell for Ball Valve Assembly	HT
10	10				
50	50				