

Foxboro® EP485F Calibration Plugs

For Use With FT10 Flow-Through Sensors



EP485F Calibration Plugs Description

Foxboro® provides convenience and precision in the calibration process with the EP485F calibration plug. EP485 series plugs use high-quality precision resistors to achieve the tight tolerance required by many applications in calibrating Foxboro FT10 all-PFA flow-through electrodeless conductivity (EC) equipment.

Scheduled calibration of even relatively trouble-free EC systems is eventually required to ensure continuously accurate process values. Using the EP485F plug saves considerable time and effort for process facility maintenance crews.

It eliminates the need to transport cumbersome decade resistance boxes — formerly the calibration equipment of choice — from point to point around the plant. It also removes the necessity of performing on-site resistance computation (such as cell factor, formula and desired conductivity) for every calibration.

The plug fits the calibration port on any Foxboro FT10 all-PFA flow-through sensor. Plugs are ordered for specific flow-through part numbers (e.g., FT10-08, 12, or 16), and for a specific conductivity (resistance) value. Personnel simply keep the appropriate dedicated plug in a toolbox, vehicle, or even shirt pocket, and plug it in when calibration is required.

Summary

The Foxboro brand Model EP485 series calibration plugs use high-quality precision resistors to achieve the tight tolerance required by many applications in calibrating Foxboro FT10 all-PFA flow-through electrodeless conductivity (EC) equipment.

Business Value

The Foxboro FT10 unique patented sensor/toroid design and noninvasive tubular design permits ease of installation, and removal from process. The tubular Teflon design significantly reduces or eliminates coatings or foulings, sidewall effects, and exposure of personnel to hazardous chemicals. When used along with the EP485F calibration plug, it saves considerable time and effort for process facility maintenance crews.

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Features / Benefits

- Whole new, easy way to calibrate electrodeless conductivity FT10 flow-through sensors
- Isolates personnel from aggressive process solutions
- Eliminates decade resistance boxes
- Avoids on-the-spot resistance calculations
- Easy to stock and transport (length: only 4 inches) — a shirt-pocket tool
- Order for specific sensor type and conductivity (resistance) value
- Easy to use with any Foxboro FT10 flow-through EC sensor



EP485F Calibration Plug with Cap

Typical EP485F model code matrix (for use with FT10 – .8, 12, or 16):

EP485F	12	0005	M	X	X
08 = 1/2 inch 12 = 3/4 inch 16 = 1.0 inch	Conductivity range desired, e.g. 0005 (contact Foxboro for values < 50 microsiemens/cm)	Protective cap (always "X")	Conductivity identifier U = microsiemens/cm (μ S/cm) M = millisiemens/cm (mS/cm)		