

Date:

Phone:

Name:

Email:

Company & Location:

DESCRIBE YOUR CONDUCTIVITY MEASUREMENT APPLICATION BELOW:

PROCESS DATA:

Media (List liquid & concentrations):

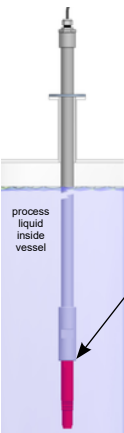
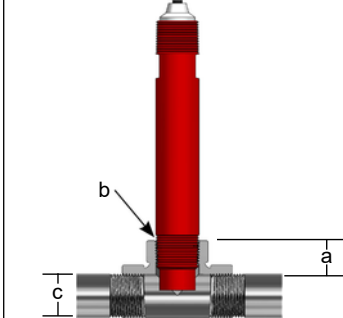
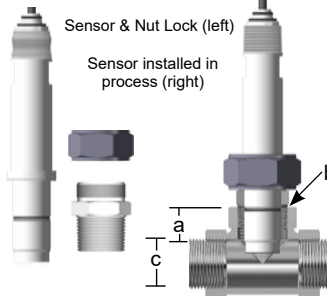
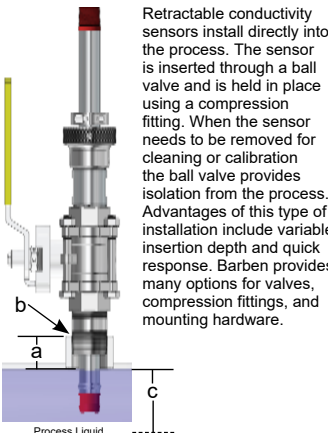
Conductivity Range & Units (Min/Max/Ave):

Temperature °C/°F (Min/Max/Ave):

Sample Pressure (Min/Max/Ave):

Any Solids (Abrasive? % Solids?):

SENSOR INSTALLATION INTO THE PROCESS (PLEASE SELECT ONE):

Submersible	Threaded In-line	Quick Change In-line	Retractable "Hot Tap"
 A submersible installation uses a dip tube to immerse the sensor in a tank or vessel. The dip tube is normally customer supplied to match the process connection on the vessel as well as the insertion length required for the tank. Barben can supply the sensor as well as cleaning mechanisms for this type of installation. Cleaning devices - Jet Cleaner (left) and Brush Scrubber (right)	 Threaded in-line installations are often used on sample line installations. Sample lines are required if the process is too hot or high pressure for direct measurement. Typical mounting is through a pipe tee as shown above. Block valves should be mounted on either side of the sensor for isolation during maintenance.	 Quick change in-line installations use a union nut adapter to mount the sensor into the process. This provides several advantages over a standard threaded installation. The sensor is easily removed without twisting the cable. Higher pressure ratings can be achieved. This style of mounting is common on sample lines.	 Retractable conductivity sensors install directly into the process. The sensor is inserted through a ball valve and is held in place using a compression fitting. When the sensor needs to be removed for cleaning or calibration the ball valve provides isolation from the process. Advantages of this type of installation include variable insertion depth and quick response. Barben provides many options for valves, compression fittings, and mounting hardware.

1. Specify insertion length (a) from mating thread or flange to inside of pipe wall:

2. Specify process connection (b) and process pipe size (c):

SENSOR MATERIALS OF CONSTRUCTION (SELECT PREFERRED MATERIAL):

Body Material: ☐ Kynar[®] (PVDF - Standard)

☐ Polypropylene

O-Ring Material: ☐ Viton[®] (Standard)

☐ EPDM

☐ Buna-N

Metallic Components: ☐ 316 Stainless Steel (Standard)

☐ Titanium

☐ Hastelloy C-276

ADDITIONAL ANALYZER & SENSOR INFORMATION:

Sensor Cable Length Required:

Quote Analyzer? (see below):

Yes

No

Electrical Area Classification:

If Barben providing conductivity analyzer please fill out the following: **Input Power** ☐ 24VDC ☐ 4 Wire 120/240VAC

Analyzer Mounting: Pipe Mount Panel Mount **Output Signals:** ☐ 4-20mA ☐ Relays ☐ HART ☐ Fieldbus

Send to Sales@adaptiveind.com