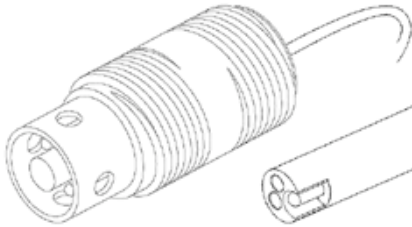
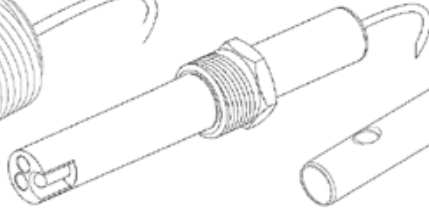


## Contacting & Torroidal Conductivity Sensors

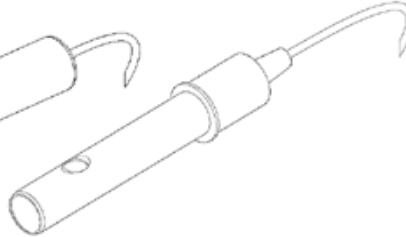
*AST50 & 60*



*AST52*



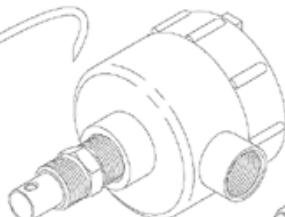
*AST10 & 51*



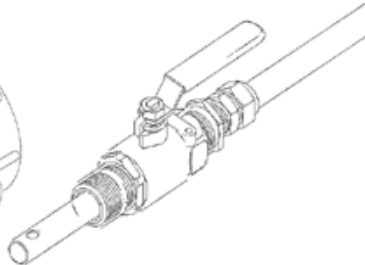
*ASTXX-TRI*



*AST41*



*AST40 & 42*



**Features and Benefits:**

**Wetted Materials of Construction**

**Sensing Electrode**

316 Stainless Steel, Titanium, Monel, Hastelloy C, Nickel, Zirconium and others upon request

**Insulator**

CPVC, Teflon, Kynar, 316 Stainless Steel (316SS), PEEK and others upon request

**"O"-Rings**

EPDM & EPR, and others upon request

**Sealing Fittings**

316SS, Propylene, Kynar, and others upon request

**High-Temperature and High-Pressure Applications up to 250 psig @ 205 degrees Celsius or 500 psig @ 100 degrees Celsius**

**Resistance to strong acid, bases, slurries and organic solvents**

**Cell Constants 0.01, 0.02, 0.05, 0.1, 0.2, 1, 2, 5, 10 & 20 available**

**COST EFFECTIVE & LONG-LASTING**

Superior performance and lifetime to OEM sensors for a very cost effective price due to excellent materials of construction and high quality design.

**Measure in solutions from ultra-pure water (0.01 microSiemens) to saturated electrolytes, acid and bases (600,00 microSiemens a.k.a. 600 milliSiemens)**

**MEASURE IN TOUGH APPLICATIONS**

ASTI conductivity sensors can operate in the most difficult of process conditions and interface with existing instrumentation.

**Integrated temperature compensation elements:**

**100 & 1000 Ohm Platinum, 10K Thermistor, 3K Balco, 8.55K NTC and many others**

**Applications requiring FDA Compliance are support**

Custom designs are available upon request (Please Inquire)



<b>AST50 &amp; AST60</b>	<b>AST52</b>	<b>AST10 &amp; AST51</b>
Low maintenance design resists clogging for high viscosity wastewater application.	Small form factor for a 10.0 cell constant sensors makes it ideal for chemical dilutions and strong acids and bases.	Small 1/2" and 3/4" MNPT inline sensors for ultrapure water and chemical applications. Variable insertion lengths offered.
<b>ASTXX-TRI</b>	<b>AST41</b>	<b>AST40 &amp; AST42</b>
FDA compliant sensors for Ladish or Alfa-Laval Tri-Clover fitting for inline sanitary installations. Excellent for steam sterilizable applications up to 130 degrees Celsius @ 150 psig.	High temperature and pressures applications, including boiler condensate and blowdown control applications. Temperatures up to 205 degrees Celsius and pressures up to 500 psig.	Sensors for valve retractable assemblies or compression fitting installations. PEEK, Teflon & 316SS materials of construction enable measurement in difficult process media.

**Special Conductivity Sensor Drawings**

To the right, is a picture of the ASTX-37PP torroidal conductivity sensor. The specification sheet, inline tee installation drawing and wiring schematic with the 1056 analyzer are provided below. This torroidal sensor is compatible with a wide range of existing OEM torroidal conductivity instrumentation meaning that you can only change the sensor, and not the instrument as well to upgrade the quality of your measurement.



**ASTX-37PP Torroidal Conductivity Sensors**

Perfect for high conductivity solutions and applications where little or no maintenance is required. Chemically resistant copolymer polypropylene plastic is perfect for aggressive process applications.

**AST10 for Retraction & High Cell Constants**

AST10 Contacting Conductivity Sensor for "HOT-TAP" Valve Insertion & Retraction installation with Cell Constant K=0.1, 1.0 & 10.0 (Max Pressure 150 psig)

AST10 Inline & Immersion Contacting Conductivity Sensor with Cell Constant K=10

**AST40 for Retraction & High Cell Constant & High HF Applications**

AST40 Contacting Conductivity Sensor for "HOT-TAP" Valve Insertion & Retraction installation with Cell Constant K=10 (Max Pressure 50 psig)

Special High Cell Constant K=10 for high HF Applications (Rinse Tank)