The only pre-calibrated, single-use conductivity sensors with a gamma-stable memory device that stores data of all calibration, and sensor specific information.

The SciLog® SciCon® combines temperature sensing capabilities with conductivity sensing capabilities in a compact, disposable, single-use package at a low price point. Each sensor is pre-programmed and barcoded with a unique ID for easy traceability and data documentation when combined with the SciLog® SciDoc software. Factory calibration data is also stored on each sensor’s chip for out-of-box, plug and play use. The SciCon® comes in 5 different sizes to fit a variety of tubing sizes: Luer, \( \frac{3}{8} \)” barb, \( \frac{1}{2} \)” barb, \( \frac{3}{4} \)” Tri-Clover and \( 1 \)” Tri-Clover Ladish.

Features and Benefits

- Pre-calibrated
- NIST-traceable
- Certified calibration
- Extended-use sensors (optional)
- Gamma-stable
- NaOH stable
- Autoclave stable
- Comprehensive customer support

The SciCon® fully integrates and optimizes most existing systems involving...

- Aseptic filtration
- Chromatography
- Reverse osmosis
- Ultrapure water
- Bags and manifolds

SciCon® Range & Accuracy

- High range: 0.1 - 200 mS range (± 0.25 mS Accuracy)
- Low range: 0 - 100 µS range (± 3 µS Accuracy)
Sensor Specifications

Sterilizability
- Can be sanitized IPA 70%
- NaOH (0.1N - 1.0N)
- Autoclavable: (1x)
- Gamma stable: 25-45 kGy

Material, Fluid Contact
- Medical grade polysulfone
- Meets USP Class VI and FDA 21CFR177.1520
- All wetted materials are made of animal-free compounds

Sensor Type
- 4-Electrode conductivity cell

Temperature Probe
- Thermistor

Sensor Microchip
- EPROM
- Stored sensor ID and calibration factor

Sensor Connector and Cables
- Dust and water proof IP67

Size, Part Codes and Specifications

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Part Code (Packs of 5)</th>
<th>Compatible Tubing Sizes</th>
<th>Max. Flow Rate*</th>
<th>Max. Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luer</td>
<td>080-599PSX-5</td>
<td>ID 0.03” to 0.31”</td>
<td>1 L / min</td>
<td>60 psi</td>
</tr>
<tr>
<td>3/8” Barb</td>
<td>080-594PSX-5</td>
<td>ID 0.31” to 0.38”</td>
<td>8 L / min</td>
<td>60 psi</td>
</tr>
<tr>
<td>1” Barb</td>
<td>080-595PSX-5</td>
<td>ID 0.50”</td>
<td>17 L / min</td>
<td>60 psi</td>
</tr>
<tr>
<td>3/4” Tri-Clover (TC)</td>
<td>080-596PSX-5</td>
<td>Tubing with 3/4” TC</td>
<td>31 L / min</td>
<td>60 psi</td>
</tr>
<tr>
<td>1” Tri-Clover ‘Ladish’</td>
<td>080-597PSX-5</td>
<td>Tubing with 1” TC Ladish</td>
<td>60 L / min</td>
<td>60 psi</td>
</tr>
</tbody>
</table>

* Maximum flow rate @ 1 psi

Monitor Specifications

Sensitivity Range
- 1 µS/cm to 200 mS/cm
- 0.1 µS/cm resolution

Operating Mode / Auto Range Display
- Conductivity: 1 µS/cm to 200 mS/cm
- Temperature: 0°C to 50°C

Analog Outputs
- 4-20 mA outputs
- 18 bit resolution

Digital Output
- RS-232

Alarm Outputs
- 4 TTL switches
- User-selectable hi/lo conductivity
- User-selectable hi/lo temperature

Power Supply
- 115/230 VAC