Parker

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, $^3/_8$¨ barb, $^1/_2$¨ barb, $^3/_4$¨ tri-clover and 1¨ tri-clover ladish.

Note: SciLog® & SciCon is a registered trademark of Parker Hannifin Corporation

Features and Benefits

- Pre-calibrated
- NIST-traceable
- Certified calibration
- 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 polysulphone
- 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

SciCon® Family	Luer	$^3/_8$¨ Barb
$^1/_2$¨ Barb	$^3/_4$¨ Tri-Clover	1¨ Tri-Clover ˙Ladish˙

Size, Part Codes and Specifications

Connector Type	Part Code (Packs of 5)	Compatible Tubing Sizes	Max. Flow Rate*	Max. Pressure
Luer	080-599PSX-5 080-599PSX-5-G	ID 0.03¨ to 0.31¨	1 L / min	60 psi
$^3/_8$¨ Barb	080-594PSX-5 080-594PSX-5-G	ID 0.31¨ to 0.38¨	8 L / min	60 psi
$^1/_2$¨ Barb	080-595PSX-5 080-595PSX-5-G	ID 0.50¨	17 L / min	60 psi
$^3/_4$¨ Tri-Clover (TC)	080-596PSX-5 080-596PSX-5-G	Tubing with $^3/_4$¨ TC	31 L / min	60 psi
1¨ Tri-Clover ˙Ladish˙	080-597PSX-5 080-597PSX-5-G	Tubing with 1¨ TC Ladish	60 L / min	60 psi

-G = Gamma parts

*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

Description	Part Code
SciCon Sensor Monitor (includes one 6 ft cable connection)	080-590
DINCon (includes one 6 ft cable connection)	080-591
Replacement Part	Part Code
Sensor Cable (Sensor to Monitor) - 6 ft	090-0491
Sensor Cable (Sensor to Monitor)- 12 ft	090-0491-12

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