



SciLog SciTemp® Sensors

- sensor technology
- pre-calibrated single-use or extended use

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

The SciLog SciTemp® provides high precision temperature sensing capabilities in a compact, disposable 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 SciTemp® 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.

Features and Benefits

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



Note: SciTemp® is a registered trademark of Parker Hannifin Corporation.

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

- Filtration
- Chromatography
- Fermentation
- Bags and manifolds



SciTemp® Range & Accuracy

- Temperature range: 4 °C to 70 °C
- Temperature accuracy: ± 0.5°C

Sensor Specifications

Sterilizability

- Can be sanitized: IPA 70%, NaOH (0.1N - 1.0N) (1x)
- 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

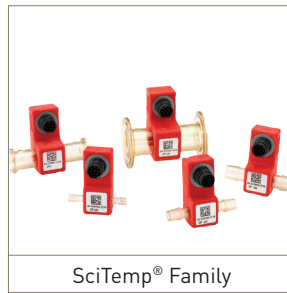
- Thermistor
- Epoxy coated
- 2252 Ohms

Sensor Microchip

- EPROM
- Stored sensor ID and calibration factor

Sensor Connector and Cables

- Dust and water proof IP67



Size, Part Codes and Specifications

Connector Type	Part Code (Packs of 5)	Compatible Tubing Sizes	Max. Flow Rate*	Max. Pressure
Luer	080-799PSX-5	ID 0.03" to 0.31"	1 L / min	60 psi
3/8" Barb	080-794PSX-5	ID 0.31" to 0.38"	8 L / min	60 psi
1/2" Barb	080-795PSX-5	ID 0.50"	17 L / min	60 psi
3/4" Tri-Clover (TC)	080-796PSX-5	Tubing with 3/4" TC	31 L / min	60 psi
1" Tri-Clover 'Ladish'	080-797PSX-5	Tubing with 1" TC Ladish	60 L / min	60 psi

* Maximum flow rate @ 1 psi

Monitor Specifications

Sensor Inputs

- Up to two simultaneously

Sensor Readout

- T1 and T2
- Differential temperature (DT)

Analog Outputs

- 4-20 mA outputs for T1 and T2
- 18 bit resolution

Digital Output

- RS-232

Alarm Outputs

- 3 TTL switches
- User-selectable hi/lo pressure limit settings for T1, T2 and DT

Power Supply

- 115/230 VAC



Description	Part Code
SciTemp® Sensor Monitor	080-790 (110V)
	081-790 (220V)
Sensor Cable [Sensor to Monitor] - 6 ft	090-0491
Sensor Cable [Sensor to Monitor]- 12 ft	090-0491-12