



## SciLog SciPres® Sensors

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

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

The SciLog SciPres combines pressure sensing capabilities and the convenience of disposability with easy setup. Each sensor is preprogrammed 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 SciPres comes in 5 different sizes to fit a variety of tubing sizes: Luer,  $\frac{3}{8}$ " barb,  $\frac{1}{2}$ " barb,  $\frac{3}{4}$ " TC (Tri-Clover), and 1" TC (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: SciPres® is a registered trademark of Parker Hannifin Ltd.

### The SciPres fully integrates and optimizes most existing systems involving...

- Filtration
- Chromatography
- Reverse Osmosis
- Fermentation
- Bags and Manifolds

### SciPres Range & Accuracy

- Pressure Range: -5 to 60 psi
- Pressure Accuracy:  $\pm 0.30$  psi



## 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

- Medical grade
- Resistive
- Sensing element with on-chip temperature compensation

### Sensor Microchip

- EPROM
- Stored sensor ID and Calibration factor

### Sensor Connector and Cables

- Dust and water proof IP67



SciPres® Family



Luer


 $\frac{3}{8}$ " Barb

 $\frac{1}{2}$ " Barb

 $\frac{3}{4}$ " 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	080-699PSX-5	ID 0.03" to 0.31"	1 litres / min	60 psi
$\frac{3}{8}$ " Barb	080-694PSX-5	IS 0.31" to 0.38"	8 litres / min	60 psi
$\frac{1}{2}$ " Barb	080-695PSX-5	ID 0.50"	17 litres / min	60 psi
$\frac{3}{4}$ " Tri-Clover (TC)	080-696PSX-5	Tubing with $\frac{3}{4}$ " TC	31 litres / min	60 psi
1" Tri-Clover 'Ladish'	080-697PSX-5	Tubing with 1" TC Ladish	60 litres / min	60 psi

## Monitor Specifications

### Sensor Inputs

- Up to three simultaneously

### Sensor Readout

- P1, P2 and P3
- Differential pressure (dP)
- Transmembrane pressure (TMP)
- Display of dP and TMP are user-selectable

### Analog Outputs

- 4-20 mA outputs for P1, P2, P3 and dP or TMP
- 18 bit resolution

### Digital Output

- RS-232

### Alarm Outputs

- 4 TTL switches
- User-selectable hi/lo pressure limit settings for P1, P2, P3 and dP or TMP

### Power Supply

- 115/230 VAC



Description	Part Code
SciPres Sensor Monitor	080-690
Sensor Cable (Sensor to Monitor) - 6 ft	090-0491
Sensor Cable (Sensor to Monitor)- 12 ft	090-0491-12

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