SciPres II Series

- single-use pressure sensors and monitor
- pre-calibrated
- NaOH and gamma stable

The only caustic stable, gamma stable and autoclaveable pre-calibrated, single-use pressure sensor with an on board memory device that stores data of all calibration as well as sensor specific information.

The SciPres II offers plug and play single-use pressure sensing that is scaleable from luer devices to 1" tri-clamp ladish fittings.

Each sensor is pre-programmed with a unique ID for easy traceability with automatically read factory calibration data stored on the sensor's on board chip. This removes the need for individual calibration and, in turn, reduces variation between sensors.

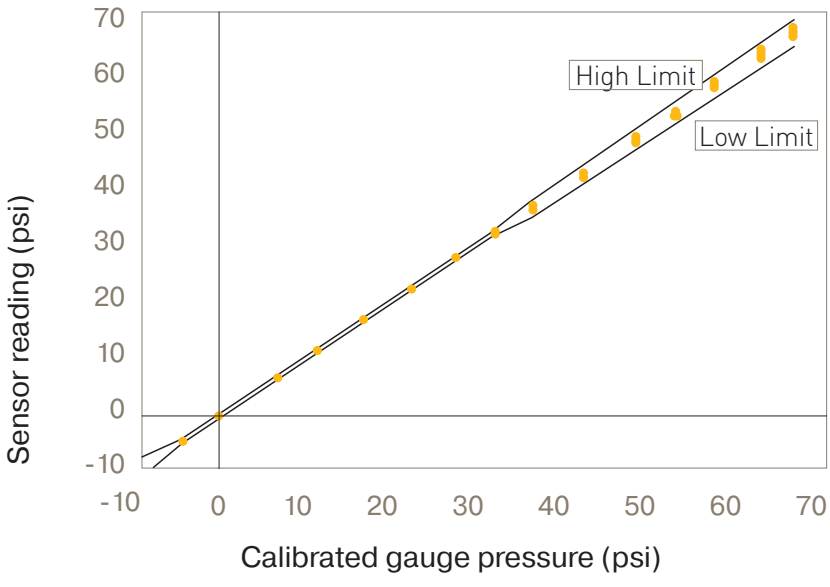
The data can be accessed via the SciDoc software, direct to your PC via the SciPres II monitors or as part of an integrated platform via a DIN card.

Features and Benefits

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

SciPres II Range & Accuracy

- Pressure range: -10 to 60 psi*
- Pressure accuracy
  ±3% of reading, 0-60 psi



SciPres II Pressure Sensor Data (60 sensors)

Sensor Specifications

Sterilizability

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

Material

Fluid contact materials (polysulfone, <0.1% medical grade silicone dialectric gel, medical grade polycarbonate) meet:

- USP class VI
- 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


3/8" Barb


1/2" Barb


3/4" Tri-Clover


1" Tri-Clover 'Ladish'

Size, Part Codes and Specifications							
Connector Type	Non-Gamma Irradiated Part Code (Packs of 5)	Gamma -Irradiated Part Code (Packs of 5)	Compatible Tubing Sizes	Max. Flow Rate**			Max. Operating Pressure
				(L / min)	(gpm / psi)	(m^3 / h / bar)	
Luer	206-251	206-251-G	ID 0.03" to 0.31"	1.0	0.26	0.23	60 psi ***
3/8" Barb	206-252	206-252-G	ID 0.31" to 0.38"	8.0	2.11	1.81	60 psi ***
1/2" Barb	206-253	206-253-G	ID 0.50"	17.0	4.49	3.86	60 psi ***
3/4" Tri-Clamp (TC)	206-254	206-254-G	Tubing with 3/4" TC	31.0	8.19	7.03	60 psi
1" Tri-Clamp 'Ladish'	206-255	206-255-G	Tubing with 1" TC Ladish	60.0	15.9	13.6	60 psi

** At minimum dose, sensor accuracy is unaffected. At maximum dose accuracy may be reduced ** Maximum flow rate @ 1 psi *** Ensure connector supports max 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 (For DIN Contact US)

- RS-232

Benchtop Output

- USB type B connector
- DB9

Alarm Outputs

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

Power Supply

- Universal power supply

Description	Part Code
SciPres II Sensor Monitor (includes three 6 ft cable connections)	206-200-M
DINPres II (includes three 6 ft cable connections)	206-200-D
Replacement Parts	**Part Code**
Sensor Cable (Sensor to Monitor) - 6 ft	CBL-007
Sensor Cable (Sensor to Monitor) - 12 ft	CBL-008

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