

SCIPRES S SERIES

Reliable, cost-optimized single use pressure sensing

Highly accurate single use pressure sensors that are gamma stable and caustic resistant.

The SciPres S (Standard) offers plug and play single-use pressure sensing that is scalable from luer devices to 1" tri-clamp latching fittings. It's qualified for use up to 75 psi and integrates with SciPres monitors as well as third party prequalified monitors.

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



Features & Benefits

- Tight tolerances
- Range of sizes
- Gamma-stable up to 45 kGy
- NaOH stable
- Monitor connection to SciDoc for data recording
- Comprehensive customer support
- Shelf life 3 years pre-gamma/2 years post gamma

Range & Accuracy

- Pressure range: -10 to 75 psi*
- Pressure accuracy
±3% of reading, 0-75 psi



SCIPRES S SERIES

Sensor Specifications

Sterilizability

- Can be sanitized IPA 70% NaOH (0.1N - 1.0N)
- Gamma stable: 25-45 kGy
- Shelf life
 - 3 year pre-gamma
 - 2 year post gamma

Sensor Type

- Medical grade
- Resistive

Sensor Connector & Cables

- Dust and waterproof IP67

Material

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

- USP Class VI
- REACH Compliant
- All wetted materials are made of animal-free compounds



Luer



3/8" Barb



1/2" Barb



3/8" 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 (in.)	Max. Flow Rate*			Max. Operating Pressure
				(L / min)	(gpm / psi)	(m ³ / h / bar)	
Luer	SPS-PSL-L-N	SPS-PSL-L-G	ID 0.03 to 0.31	1.0	0.26	0.23	75 psi **
3/8" Barb	SPS-PS38-L-N	SPS-PS38-L-G	ID 0.31 to 0.38	8.0	2.11	1.81	75 psi **
1/2" Barb	SPS-PS50-L-N	SPS-PS50-L-G	ID 0.50	17.0	4.49	3.86	75 psi **
3/8" Tri-Clamp (TC)	SPS-PSMTC-L-N	SPS-PSMTC-L-G	Tubing with 3/8 TC	31.0	8.19	7.03	75 psi
1" Tri-Clamp 'Ladish'	SPS-PSTC-L-N	SPS-PSTC-L-G	Tubing with 1 TC Ladish	60.0	15.9	13.6	75 psi

* Maximum flow rate @ 1 psi ** Ensure connector supports max PSI

Monitor Specifications



SciPres S Sensor Monitor



DINPres S

	Benchtop Monitor	DINPres S
Part Code	SPS-MON	SPS-DIN
Display	2 Line LCD	4 LEDs (1 per Sensor + Power), Webpage to access device
Sensor Readout	P1, P2, P3, dP, TMP	P1, P2, P3
Power Supply	Universal Power Supply, 12VDC, 500mA Barrel Connector	24VDC, Phoenix Connector
Alarm Limits	4x TTL outputs for Hi or Lo, Audible Alarms (P1, P2, P3, dP or TMP)	Hi/Lo Modbus Registers
Analog Input	No	Yes
Analog Output	4-20mA for P1, P2, P3, dP/TMP	4-20mA for P1, P2, P3, dP/TMP
Serial Connections	RS-232 DB9 or USB-B (Printer Outputs)	USB-C
Protocols	N/A	Modbus RTU, Modbus TCP/IP
Included Accessories	Universal power cable, three 6 ft cables	Three 12 ft cables, three 12 in. internal cables
Replacement Parts		Part Code
Sensor Cable (Sensor to Monitor) - 6 ft		CBLEXT-S-072
Sensor Cable (Sensor to Monitor) - 12 ft		CBLEXT-S-144
Sensor Cable (Sensor to Monitor) Qualified 3rd Party Monitor - 6 in.		CBLEXT-U-006

Parker Hannifin Corporation
Bioscience & Water Filtration Division
2340 Eastman Avenue
Oxnard, California 93030 USA
phone 805 604 3400
bwf.oxn.support@support.parker.com
www.parker.com/bioscience

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