

SciLog DN 3021: *SciPres Pressure Sensor Sanitization Protocol (1):*

Sanitizing Agent (2)	Conc.	Temp. °C	pH	Pressure psi (4)	Contact Time, Min	Sani-Cycles Limit (3)	%SD ⁽⁶⁾ 10 Cycles
NaOH	0.10 N	20-30	13	0 - 10	15-30	10	0.20%
NaOH	0.50 N	20-30	13.5	0 - 10	15-30	10	0.25%
NaOCl (5)	500 ppm	20-30	7 - 8	0 - 10	15-30	10	0.70%
Formaldehyde Solution	1 - 2%	20-30	5 - 8	0 - 10	30	10	0.10%
Isopropyl Alccol	70%	20-30		0 - 10	15-30	10	0.10%

NOTE:

1. SciPres pressure sensors have been designed for disposable, single-use applications. However, with proper care, SciPres sensors can be re-used repeatedly while maintaining good accuracy and precision. If required, the SciPres sensor can be re-calibrated,

2. SciPres sensors can be repeatedly sanitized with any of the listed sanitizing solutions. Do not exceed the recommended number of of sanitization cycles. Sensor accuracy and precision will be affected adversely by excessive cleaning/sanitization.

3. Recommended number of cleaning / sanitization cycles.

4 Do not exceed recommended sanitization pressure range.

5. 1:100 dilution of Clorox Bleach, 500 ppm of active chlorine.

6. Response variance (% standard deviation) of pre-calibrated (30 psi) sensors over 10 sanitization cycles

CAUTION: *Do Not Exceed Maximum Pressure of 60 psi*

Test Protocol: Pre-calibrated (30.00 psi) SciPres pressure sensors were exposed to sanitizing solution by pumping the solution through the sensor for 30 minutes, followed by a distilled-water flush. Sensor response recovery was tested after each sanitization cycle by applying 30.00 psi of air pressure while monitoring the sensor response. Ten, 30-minute sanitization cycles were implemented; 5 hours of total cumulative exposure

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