

**SciLog DN 3125: SciPres Pressure Sensor, 100 Hr. Exposure Test, 70% IPA
at 22 °C, 10 psi Pressure**

Test Data Sensor ID	Start		25 hr Test		50 hr Test		75 hr Test		100 hr Test		Sensor Average 30.00 psi	Sensor SD* 30.00 psi
	psi 0.00	psi 30.00	psi 0.00	psi 30.00	psi 0.00	psi 30.00	psi 0.00	psi 30.00	psi 0.00	psi 30.00		
S2-230003-1007	0.00	29.98	-0.04	29.97	-0.04	29.97	-0.04	29.96	-0.04	29.99	29.97	0.01
S2-230004-1007	-0.03	29.95	-0.06	29.94	-0.07	29.94	-0.07	29.91	-0.09	29.94	29.94	0.02
S2-230005-1007	0.00	30.22	-0.06	30.18	-0.08	30.18	-0.09	30.16	-0.12	30.17	30.18	0.02
S2-230006-1007	0.02	30.00	-0.02	30.00	-0.04	29.98	-0.05	29.96	-0.07	29.98	29.98	0.02
S2-230007-1007	0.00	29.98	-0.04	29.96	-0.05	29.97	-0.06	29.93	-0.07	29.97	29.96	0.02
Group Average Group SD*	0.00 0.02	30.03 0.10	-0.04 0.01	30.01 0.09	-0.06 0.02	30.01 0.09	-0.06 0.02	29.98 0.09	-0.08 0.03	30.01 0.08		

* SD = Standard Deviation

SUMMARY: The sensor response data, collected over 100 hours of continuous IPA exposure, show a stable sensor accuracy and precision level over time. For individual sensors, the average accuracy measured @ 30.00 psi of applied pressure, stays well within established limits of +/- 0.3 psi. The same holds for the sensor group averages based on the responses of the five sensors. **The long-term stability of the sensor pre-calibration is verified by the above sensor data.**

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

CAUTION: Do Not Exceed Maximum Pressure of 60 psi

Test Protocol: Six pre-calibrated (30.00 psi) SciPres Luer pressure sensors were exposed to 70% Isopropyl Alcohol (IPA) for 100 hours at 22 °C and 10 psi back pressure. The IPA solution was continuously recirculated (150ml/min) through the in-line sensors using a peristaltic pump. At 25 hour intervals, the test was briefly interrupted, the sensors were flushed 3x with distilled water and purged for 5 minutes with distilled water utilizing a peristaltic recirculation pump. The sensors were tested at 0.0 (ambient air) and at 30.00 psi applied pressure (nitrogen). All sensor responses were monitored with a NIST- traceable gauge. Sensors were tested with their original factory calibration; no re-calibration were carried out before or during the test run.