SciLog®
8845 South Greenview Dr., Suite 4
Middleton, Wisconsin 53562-2562
Phone: 608.824.0500
Fax: 608.824.0509
www.SciLog.com
SciLog@SciLog.com

SciLog DN 3022: SciPres Sanitization with 1.0 Molar NaOH @ 22 ºC & 50 ºC, 2 Hours

Group 1: SciPres Pressure Response after Exposure to 1.0N NaOH, Temperature (1.0N NaOH) at 22 ºC, 2 Hours

Group 1: 22 ºC Sensor ID	Cal Factor	Press. Offset	Trial 1		Trial 2		Trial 3		Cal Date
			0.0 psi	30.00 psi	0.0 psi	30.00 psi	0.0 psi	30.00 psi	
	CF	PZ							
S1-240058-1007	1.048	-12	0.02	29.97	0.02	29.98	0.02	30.00	Oct-07
S1-230107-1007	1,036	-12	0.03	29.95	0.02	29.97	0.03	29.97	Oct-07
S1-230238-1007	1.053	-5	0.01	29.97	0.01	29.95	0.02	29.96	Oct-07

Group 2: SciPres Pressure Response after Exposure to 1.0N NaOH, Temperature (1.0N NaOH) at 50 ºC, 2 Hours

Group 2: 50 ºC Sensor ID	Cal Factor	Press. Offset	Trial 1		Trial 2		Trial 3		Cal Date
			0.0 psi	30.00 psi	0.0 psi	30.00 psi	0.0 psi	30.00 psi	
S1-240061-1007	1.033	-13	0.03	29.91	0.16	30.10	0.04	30.00	Oct-07
S1-240057-1007	1.061	-4	0.01	29.96	0.00	30.30	0.00	30.32	Oct-07
S1-230110-1007	1.028	14	0.00	29.90	-0.01	29.90	-0.01	29.92	Oct-07

NOTE: Scilog sensor have been designed for disposable, single-use applications. However, with proper care, the sensors can be re-used repeatedly while maintaining good sensor accuracy and precision. If required, SciPres sensors can re-calibrated.
CAUTION: Do Not Exceed Maximum Pressure of 60psi

Test Protocol: Six pre-calibrated (30.00 psi) SciPres Luer pressure sensors were exposed 3x to 1.0N NaOH for two hours at 22 ºC (Group1) and at 50 ºC (Group 2). After each 2-hour exposure, the sensors were flushed 3x with distilled water and purged for 5 minutes with distilled water utilizing a peristaltic reciculation pump. The sensors were tested 0.0 (air) and 30.00 psi (nitrogen). Sensors were used with their original factory calibration; no re-calibration were carried out before or during the test run. All sensor responses were monitored with a NIST- tracable gauge. All sensors were randomly selected from SciLog inventory.

Released 3/27/08, SciLog Metrology, KS