

SciLog DN 3129: Post-Gamma SciPres Sensors Response:

Test Summary: Twenty-six (26) pre-calibrated (30.00 psi) SciPres sensors were gamma irradiated at 38.4 kGy. Post-gamma sensor survival and sensor accuracy were tested at 0.00 and 29.99 psi of applied air pressure. **All sensors survived gamma-irradiation and tested accurately well within SciLog's established accuracy limits of +/- 0.35psi**

SciPres, 3/4" TC Sensor ID	Pre-Gamma Test Applied Pressure		Post-Gamma Test Applied Pressure	
	NIST	NIST	NIST	NIST
	0.00 psi	30.00	0.00 psi	29.99 psi
S4-290006-0408	0.00	30.00	-0.01	29.94
S4-290008-0408	0.00	30.00	0.00	29.97
S4-290011-0408	0.00	30.00	0.00	29.97
S4-290013-0408	0.00	30.00	-0.01	29.92
S4-290017-0408	0.00	30.00	-0.02	30.01
S4-290018-0408	0.00	30.00	0.00	29.96
S4-290020-0408	0.00	30.00	-0.01	29.95
S4-290021-0408	0.00	30.00	0.00	29.96
S4-290022-0408	0.00	30.00	0.00	30.03
S4-290023-0408	0.00	30.00	-0.03	29.92
S4-290024-0408	0.00	30.00	-0.02	29.92
S4-290025-0408	0.00	30.00	0.00	30.01
S4-290026-0408	0.00	30.00	0.00	29.95
S4-290027-0408	0.00	30.00	0.00	29.95
Group Average	0.00	30.00	-0.01	29.96
Group SD*			0.01	0.03

* Standard Deviation

SciPres, Luer Sensor ID	Pre-Gamma Test Applied Pressure		Post-Gamma Test Applied Test Pressure	
	NIST	NIST	NIST	NIST
	0.00 psi	30.00 psi	0.00 psi	29.99 psi
S1-290001-0408	0.00	30.00	-0.01	29.95
S1-290003-0408	0.00	30.00	0.00	30.05
S1-290004-0408	0.00	30.00	-0.01	29.99
S1-290005-0408	0.00	30.00	-0.05	29.95
S1-290007-0408	0.00	30.00	0.00	30.00
S1-290009-0408	0.00	30.00	0.00	30.00
S1-290010-0408	0.00	30.00	-0.02	29.96
S1-290012-0408	0.00	30.00	-0.01	29.94
S1-290014-0408	0.00	30.00	0.00	29.96
S1-290015-0408	0.00	30.00	0.00	29.95
S1-290016-0408	0.00	30.00	-0.03	29.98
S1-290019-0408	0.00	30.00	0.00	29.96
Group Average	0.00	30.00	-0.01	29.97
Group SD*			0.02	0.03