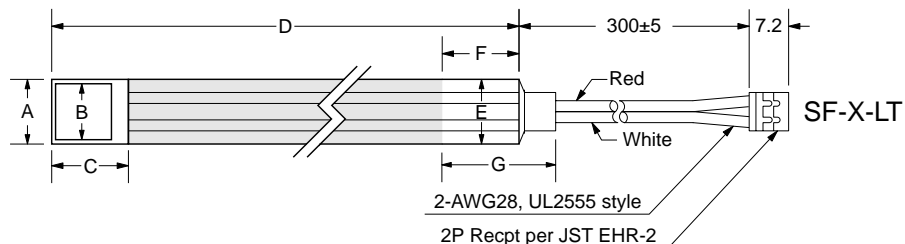
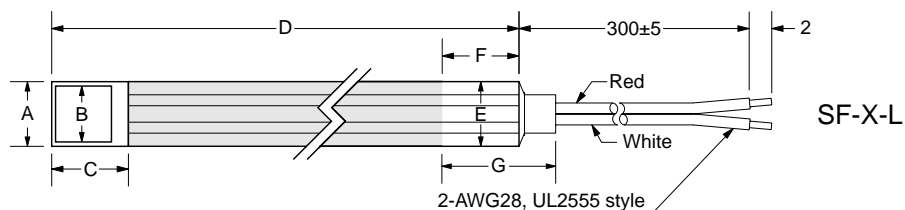


Model Item	SF-2	SF-3	SF-4	SF-5
A	2.9	3.9	4.9	5.9
B	2.1	3.1	4.1	5.1
C	4.0	5.0	5.8	7.0
D	40.0	50.0	50.0	65.0
E	2.9	3.9	4.9	5.9
F	5.5	5.5	5.5	5.5
G	12.0	12.0	13.0	13.0
P	1.0	1.5	2.0	2.5



SPECIFICATIONS

1. Supply voltage: 3~6VDC
2. Maximum allowable voltage: 30VDC
3. Current: 5mA
4. Maximum allowable current: 20mA
5. Resistance @ no load: $\geq 100M\Omega$
6. Resistance @ full load: 15Ω max.

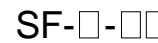
Mechanical

1. Maximum load: 3.0kgf
2. Recommended load: 1.5kgf
3. Life: $\geq 100,000$ cycles @ 1.0kgf (1 second ON/3 seconds OFF)

Environmental

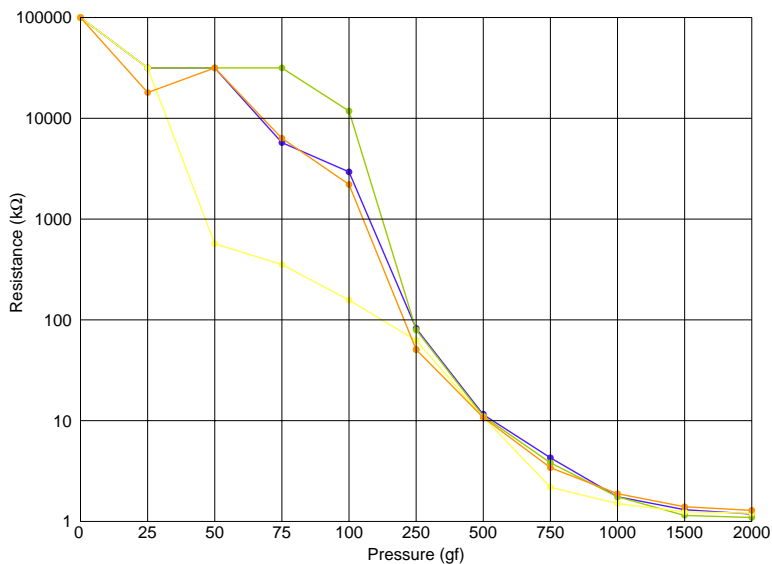
1. Operating Temp: $+10^\circ$ to $+40^\circ$ C
2. Storage Temp: -40° to $+70^\circ$ C
3. Humidity: 85% RH, no condensation

Ordering Information



Size: 2 = 2mm, 3 = 3mm, 4 = 4mm, 5 = 5mm
 Termination: Blank: Flex cable, L: Flex cable with lead wires, LT: Flex cable with lead wires & connector

Pressure vs Resistance (Data from SF-2 samples)



gf	No. 1	No. 2	No. 3	No. 4
0	2E+12	2E+12	2E+12	2E+12
25	54967	32967	54967	54967
50	779.81	54967	54967	54967
75	594.38	8217	54967	7834
100	276.57	4092	16467	5218
250	81.66	73.45	91.06	92.42
500	12.96	12.82	13.99	15.46
750	4.05	5.80	6.24	6.89
1000	2.59	3.48	3.20	3.21
1500	1.86	2.31	1.53	2.05
2000	1.73	1.99	1.35	1.66

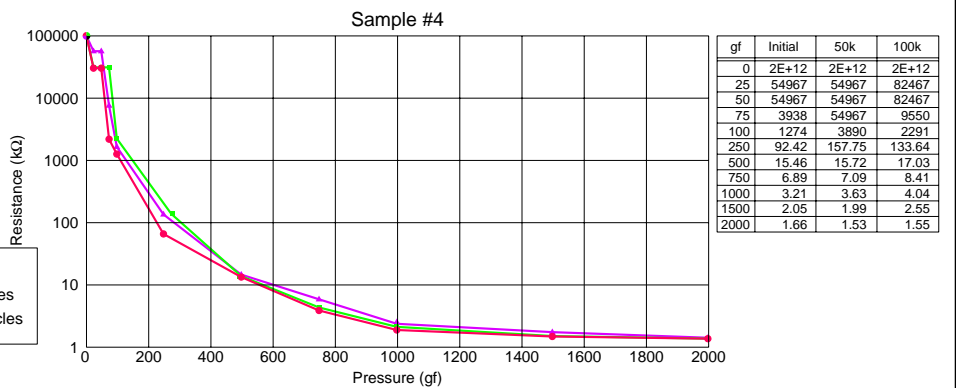
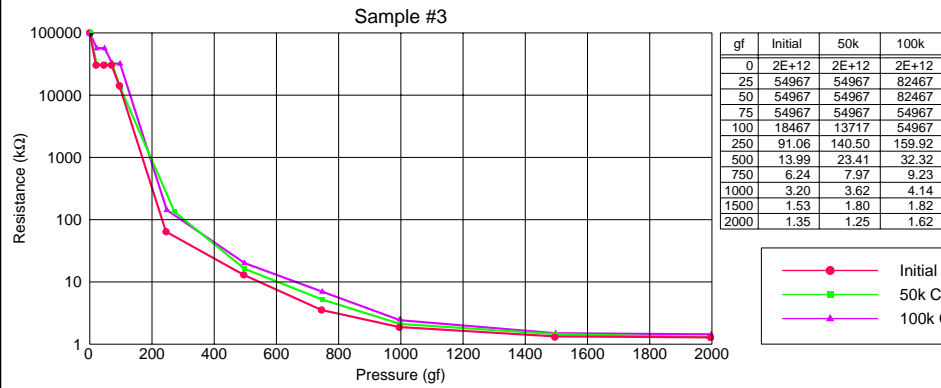
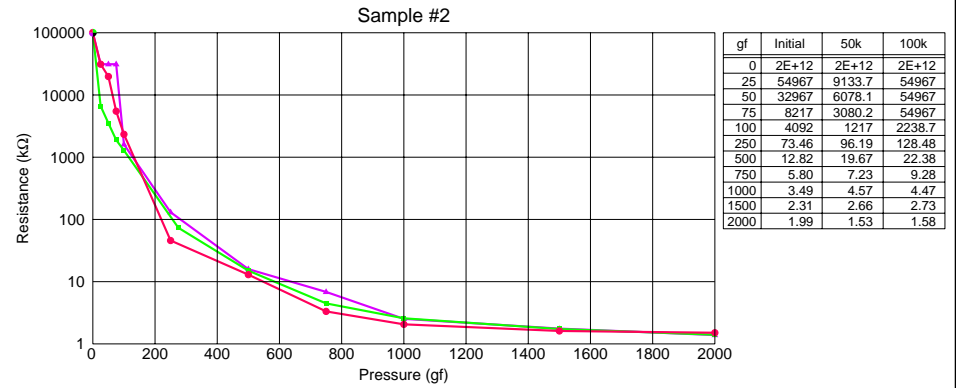
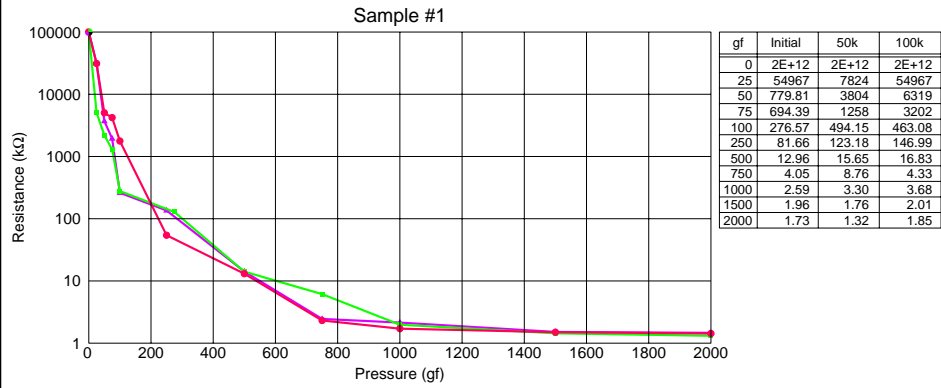
RESISTANCE VALUES IN K Ω

CUI INC. 9615 SW Allen Blvd. #103
 Beaverton, OR 97005
 Tel: 503/643-4899 FAX: 503/643-6129

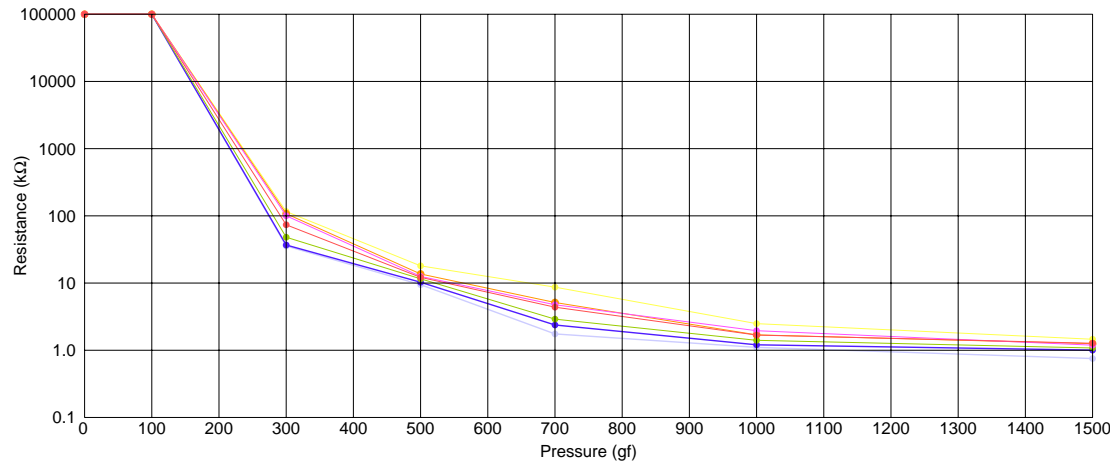
DRAWN BY JAS	UPDATED 03/04/04	CHECKED 03/04/04	RELEASED
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PART NO. SF-X-XX	REV. A
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Durability Data



Temperature vs Linearity



gf	0	100	300	500	700	1000	1500
50 C	∞	∞	87.99	17.65	6.77	3.03	1.94
40 C	∞	∞	100.54	18.91	7.09	3.62	1.88
30 C	∞	∞	129.00	22.15	7.40	3.06	1.88
25 C	∞	∞	158.10	33.05	9.45	4.56	2.48
20 C	∞	∞	71.42	15.65	5.17	2.33	1.31
10 C	∞	∞	60.98	17.04	4.38	1.73	1.02
0 C	∞	∞	59.72	9.78	3.19	1.39	0.89

RESISTANCE VALUES IN KΩ