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SLC Series Loadcells for DFS-R-ND Series

Specification Sheet
SS-FM-3015-0904
September 2004

The CHATILLON® SLC Series loadcells are full-bridge strain gauge sensors complete with 15-pin plug. These loadcells are used exclusively with the Chatillon DFS-R-ND Series digital indicator. The loadcell values and sensitivity factors are stored in memory within the sensor plug. When connected to a DFS-R-ND indicator, the capacity and calibration points are automatically recognized by the instrument. The instrument then becomes a full-featured load measurement instrument. The SLC Series loadcells meet ASTM E4 and BS EN ISO 7500 part 1 for a $\pm 0.25\%$ accuracy sensor. The loadcells are connected to the DFS-R-ND with a retractable cord that extends fully to nearly 9 ft. (3 m).

DFS-R with Low Capacity Sensor



Remote Sensors- Load Measurement

	Model	ozf	gf	lbf	kgf	N
Low	SLC-250G	9 x 0.002	250 x 0.05	0.55 x 0.0001	-	2.5 x 0.0005
	SLC-0002	35 x 0.01	1000 x 0.2	2.2 x 0.0005	1 x 0.0002	10 x 0.002
	SLC-0010	180 x 0.05	5000 x 1	11 x 0.002	5 x 0.001	50 x 0.01
	SLC-0025	350 x 0.1	10000 x 2	22 x 0.005	10 x 0.002	100 x 0.02
High	SLC-0050	900 x 0.2	25000 x 5	55 x 0.01	25 x 0.005	250 x 0.05
	SLC-0100	1800 x 5	50000 x 10	110 x 0.02	50 x 0.01	500 x 0.1
	SLC-0200	3500 x 1	-	220 x 0.05	100 x 0.02	1000 x 0.2
	SLC-0500	-	-	560 x 0.1	250 x 0.05	2500 x 0.5
	SLC-1000	-	-	1100 x 0.2	500 x 0.1	5000 x 1

Specifications

- Input Resistance:** 1000 ohms ± 100
- Output Resistance:** 1000 ohms ± 100
- Rated Output:** 2.0 mV/V
- Safe Overload:** 150% Full Scale
- Non-Linearity:** $\pm 0.05\%$ Full Scale
- Hysteresis:** $\pm 0.05\%$ Full Scale
- Zero Balance:** $\pm 1.0\%$ Full Scale
- Operating Temp:** 30° to 120°F (-40° to 82°C)

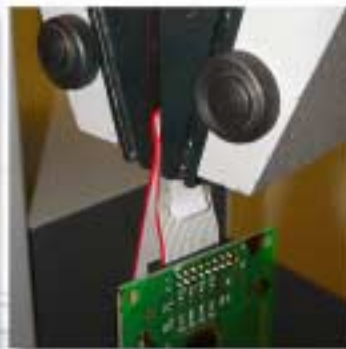
Medical Devices



Pharmaceuticals



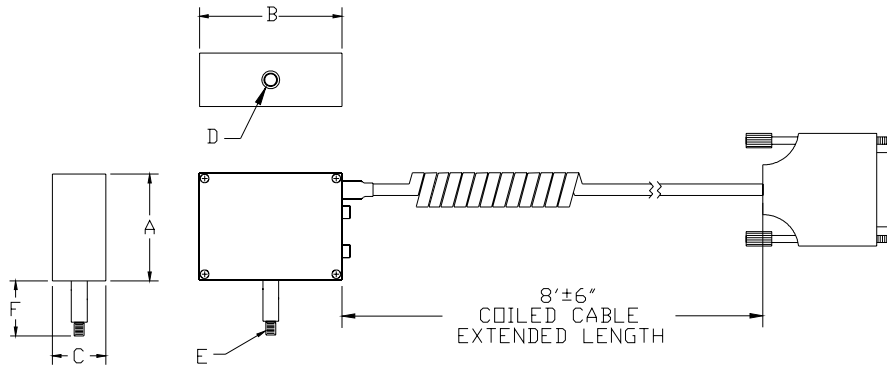
Springs & Components



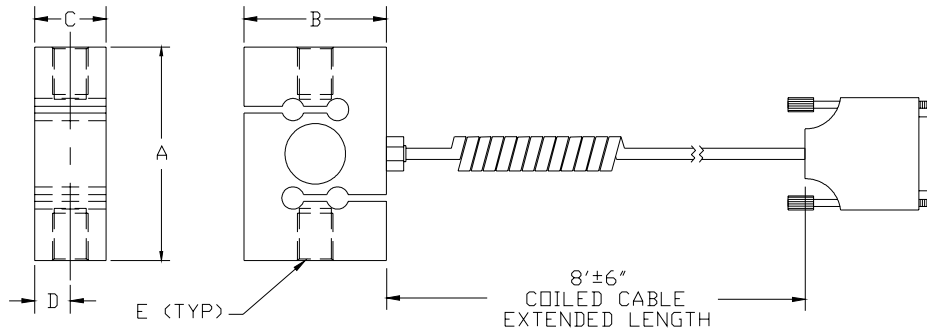
General Purpose Force



Dimensions



25 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
10 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
2 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
250 G	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
CAPACITY	A	B	C	D FEMALE THREAD	E MALE THREAD	F



1000 LBF	2.98 [75.7]	2.50 [63.5]	.98 [24.9]	.49 [12.4]	1/2-20
500 LBF	2.98 [75.7]	2.00 [50.8]	.98 [24.9]	.49 [12.4]	1/2-20
200 LBF	2.48 [63.0]	2.00 [50.8]	.61 [15.5]	.31 [7.9]	1/4-28
100 LBF	2.48 [63.0]	2.00 [50.8]	.61 [15.5]	.31 [7.9]	1/4-28
50 LBF	2.48 [63.0]	2.00 [50.8]	.61 [15.5]	.31 [7.9]	1/4-28
CAP.	A	B	C	D	E THREAD

E96-355

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