

Cardinal LOAD CELLS

SERIES "SP" SINGLE POINT - FOR LIGHT TO MEDIUM WEIGHING



- **Capacities from 6 lb to 100 lb**
- **Highly resistant to eccentric loads**
- **Aluminum alloy fabrication for economy**
- **Direct mounting to weighing platform**
- **7' integral shielded cable**
- **2 year warranty**

Cardinal's small capacity single point load cells are manufactured for light to medium weighing operations such as bench or counter scales. These cells are fabricated from aircraft-quality aluminum, and are available in capacities from 3.5 lb to 100 lb.

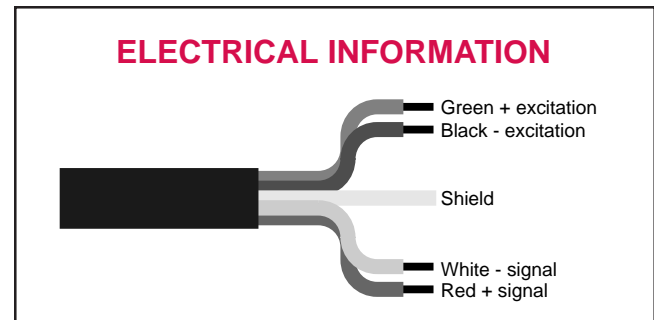
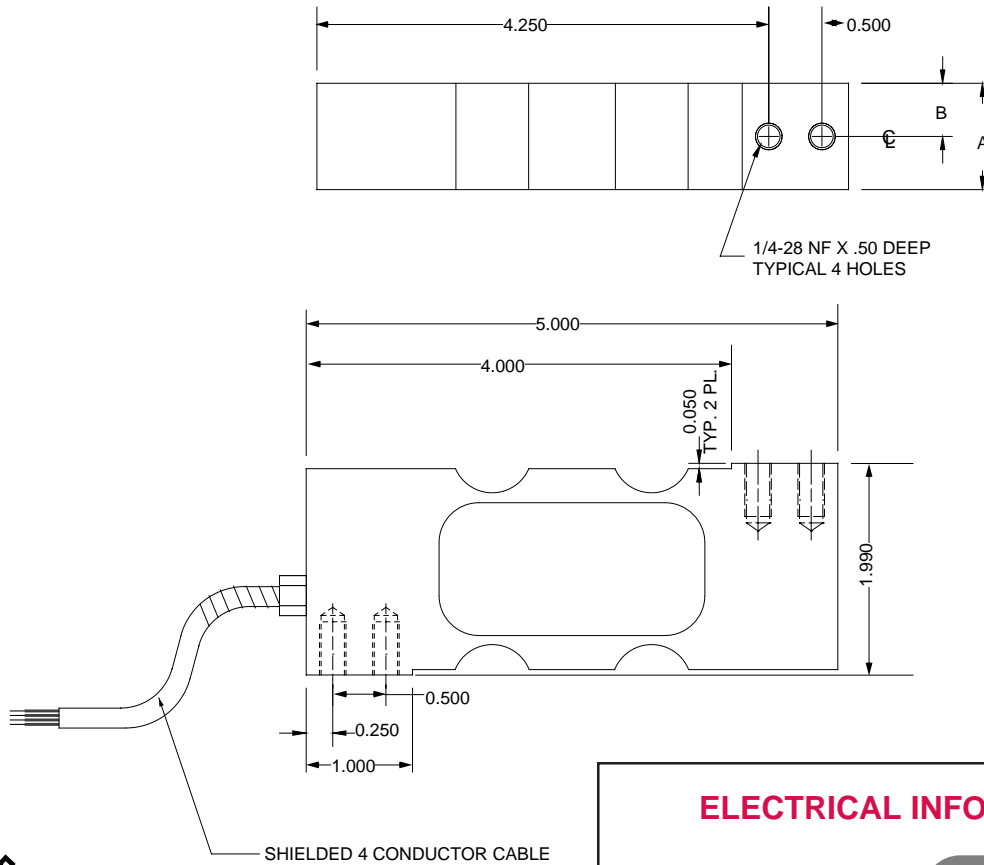
The unique design of our single point load cells offers cost-saving advantages for many weighing applications. The load cell can be mounted directly to the weighing platform, thereby eliminating flexures, pivots, bearings and mechanical levers.

All load cells have threaded mounting holes, and a 7' integral multiconductor cable secured by a strain relief seal.

SPECIFICATIONS

Overload	150% - safe; 300% - ultimate
Output mv/v	2 ± 10%
Resistance	input - 400 ohms minimum output - 350 ± 5 ohms
Zero balance	± 1% of rated output
Excitation/AC-DC	15 VDC maximum
Non-linearity	± 0.03% of rated output
Hysteresis	± 0.03% of rated output
Non-repeatability	± 0.02% of rated output
Creep	± 0.03% of load in 20 min.
Deflection012" to .020"
Insulation resistance	5000 megohms
Temperature range	14°F to 104°F - compensated -20°F to +200°F - operating
Temperature effect	rated output - ± 0.0008%/ F of load zero balance - ± 0.0015%/ F of rated output

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DIMENSIONAL INFORMATION

MODEL	CAPACITY	"A"	"B"
SP-6L	6 lb	0.500"	.250"
SP-10L	10 lb	1.000"	.500"
SP-15L	15 lb	1.000"	.500"
SP-25L	25 lb	1.000"	.500"
SP-50L	50 lb	1.000"	.500"
SP-100L	100 lb	1.000"	.500"

Cardinal Scale reserves the right to improve, enhance and modify features and specifications without prior notice.