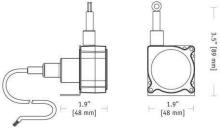


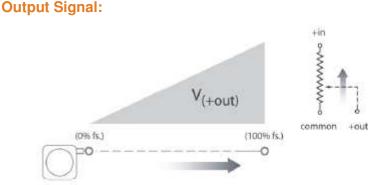
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The SP2 String Pot is a compact, economical and water resistant device that utilizes a flexible cable, a spring-loaded spool, and a potentiometer to detect and measure linear position.

The SP2 is identical to the SP1 except for an added 40-inch electrical cable with a watertight rubber strain relief. The SP2 has been compactly designed for tight spaces and high cycle applications and generously allows for measuring cable misalignment. With 4 different ranges and a handy mounting bracket, the SP2 is a perfect solution for many applications from light industrial to OEM.



SP₂ Compact String Pot | Incremental

Linear Position to 50 inches (1270 mm) Low-Cost, Long Life | Rugged Polycarbonate Enclosure 40-in. Electrical Cable | Free-Release Tolerant

SPECIFICATIONS

Free Stroke Range Options **Output Signal** Accuracy Repeatability Resolution **Measuring Cable Maximum Cable Tension Measuring Cable Acceleration Enclosure Material** Sensor Weight, max. (includes bracket)

Electrical

Input Resistance **Power Rating, Watts Recommended Maximum Input** Voltage Output Signal Change Over Full Stroke Range **Electrical Connection**

Environmental

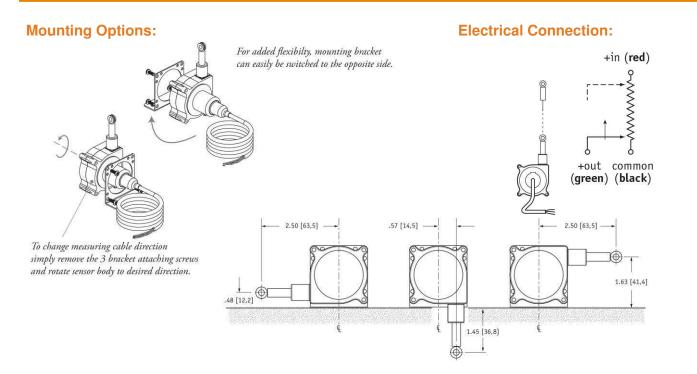
Enclosure **Operating Temperature** Vibration

0-4.75, 0-12.5, 0-25, 0-50 inches voltage divider (potentiometric) $\pm 0.25\%$ to $\pm 1.00\%$ FS. (See ordering info) ± 0.05% full Stroke essentially infinite .019-inch dia. nylon-coated stainless steel 7 oz. (1,9 N) ±25% 15 g Polycarbonate Plastic-hybrid precision potentiometer 5 oz. (w/o mounting bracket) max.

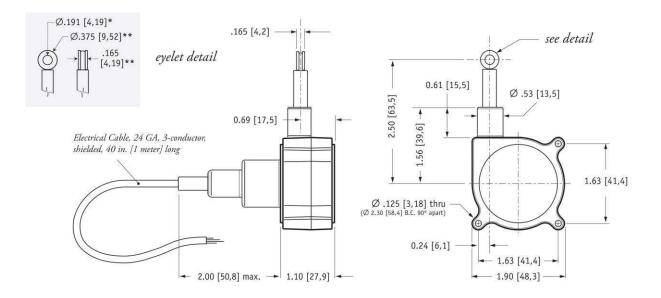
10K ohms. ±10% 2.0 at 70°F derated to 0 at 250° 30 V (AC/DC) 94% ±4% of input voltage

40-inch long, 24 gauge shielded electrical cable

IP 50 0° to 160°F (-18° to 70°C) up to 10 g to 2000 Hz maximum



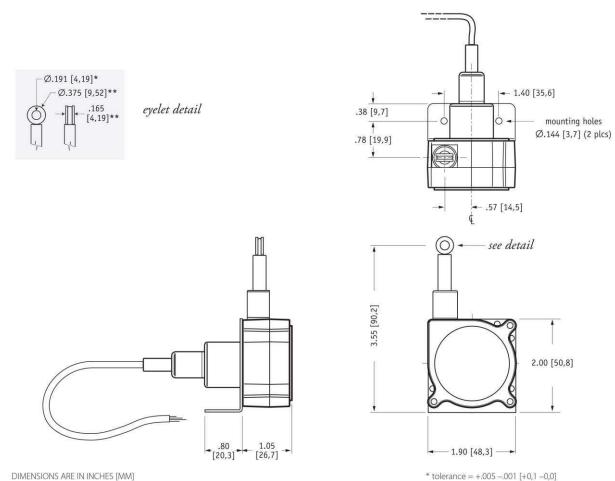
Outline Drawing (w/o bracket):



DIMENSIONS ARE IN INCHES [MM] tolerances are 0.04 IN. [1,0 MM] unless otherwise noted.

* tolerance = +.005 -.001 [+0,1 -0,0] ** tolerance = +.005 -.005 [+0,1 -0,1]

Outline Drawing (w/ bracket)



DIMENSIONS ARE IN INCHES [MM] tolerances are 0.04 IN. [1,0 MM] unless otherwise noted.

** tolerance = +.005 -.005 [+0,1 -0,1]

Ordering Information

	Part No.	full stroke range	accuracy (% of f.s.)	cycle life
includes sensor & mounting bracket.	SP2-4	4.75 in (120 mm)	1.00%	2.5M cycles
	SP2-12	12.5 in (317 mm)	0.25%	500K cycles
	SP2-25	25 in (635 mm)	0.25%	500K cycles
	SP2-50	50 in (1270 mm)	0.25%	250K cycles

CLICK HERE > CONNECT WITH A SPECIALIST

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