

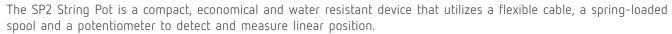




SP2

Description

- Linear Position to 50 inches (1270 mm)
- Low-Cost, Long Life Rugged Polycarbonate Enclosure
- 40-in. Electrical Cable Free-Release Tolerant
- In Stock for Quick Delivery!



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.

COMPLETE SPECIFICATIONS

Full Stroke Range Options	0-4.75, 0-12.5, 0-25, 0-50 inches
Output Signal	voltage divider (potentiometer)
Accuracy	±0.25 to ±1.00% (see part no. above)
Repeatability	± 0.05% full stroke
Resolution	essentially infinite
Measuring Cable	0.019-in. dia. nylon-coated stainless steel
Measuring Cable Tension	7 oz. (1,9 N) ±25%
Maximum Cable Acceleration	15 g
Enclosure Material	polycarbonate
Sensor	plastic-hybrid precision potentiometer
Weight	5 oz. (w/o mounting bracket) max.

ELECTRICAL

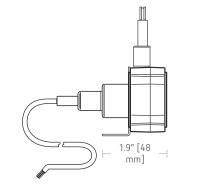
Input Resistance		10K ohms, ±10%
Power Rating, Watts	2.0 a	at 70°F derated to 0 at 250°
Recommended Maximum Input Voltage		30 V (AC/DC)
Output Signal Change Over Full Stroke Range		94% ±4% of input voltage
Electrical Connection	40-inch long, 24 gu	age shielded electical cable

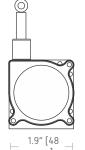
ENVIRONMENTAL

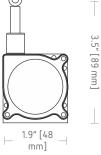
Enclosure	IP 50
Operating Temperature	0° to 160°F (-18° to 71°C)
Vibration	up to 10 g to 2000 Hz maximum

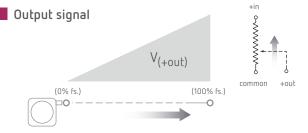
Ordering information







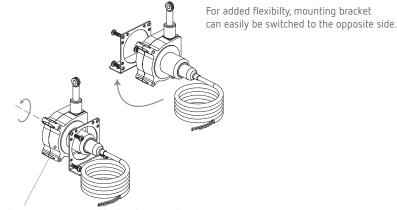




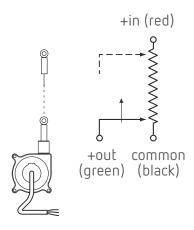


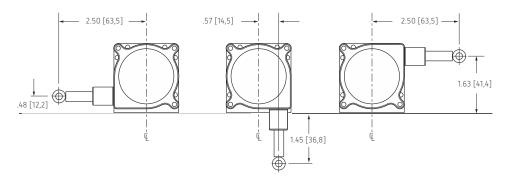
Mounting Options

Electrical Connection

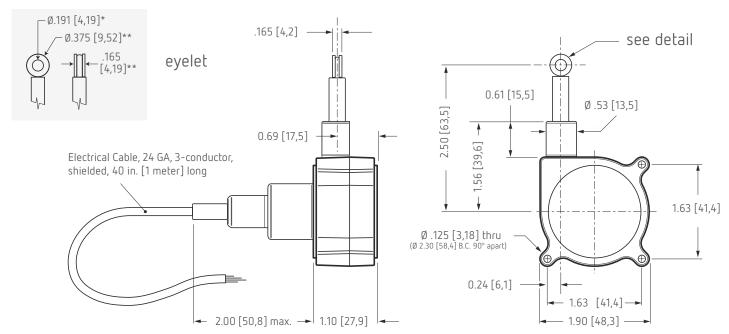


To change measuring cable direction simply remove the 3 bracket attaching screws and rotate sensor body to desired direction.





Outline Drawing (w/o bracket)

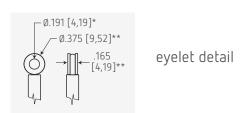


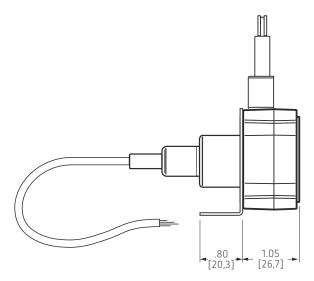
DIMENSIONS ARE IN INCHES [MM] tolerances are 0.04 IN. [1,0 MM] unless otherwise noted.

^{*} tolerance = +.005 - .001[+0.1 - 0.0]** tolerance = +.005 - .005[+0.1 - 0.1]

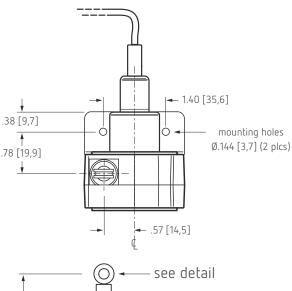


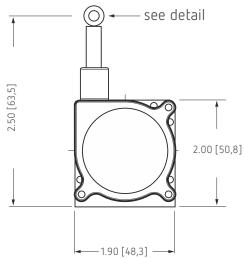
Outline Drawing (with bracket)





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]