

IP67 String Pot, 40in. Electrical Cable

MEAS | MEAS SP



Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors

The SP2 series IP-51 voltage divider 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.



Position Sensor Product Type: **SP Series, String Pots**

Full Stroke Range: **101.6 - 1270 mm**

Output Signal Type: **Voltage Divider (Potentiometric)**

Accuracy: **±.25 % of FS**

Repeatability: **.02 % of FS**

The SP2 string pot 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.

Benefits

- Linear position to 50 inches (1270 mm)
- Rugged polycarbonate enclosure
- 40-in. electrical cable w/ watertight rubber strain relief
- Free-release tolerant

Features

Reference Number

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Product Type Features

Position Sensor Product Type	SP Series, String Pots
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Body Features

Case Material	Polycarbonate + Stainless Mounting Bracket
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Dimensions

Full Stroke Range (mm)	101.6 - 1270
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Full Stroke Range (in)	4 - 50
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Usage Conditions

Accuracy (% of FS)	±.25
Operating Temperature Range (°C)	-18 - 71
Operating Temperature Range (°F)	0 - 160

Operation/Application

Output Signal Type	Voltage Divider (Potentiometric)
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Industry Standards

IP Rating	IP51
Hazardous Area Approval	None

Other

Repeatability (% of FS)	.02
Encoder Drive	No
Measuring Cable	Nylon-Coated Stainless Steel

Products (1 of 1)



STRING POT 25 INCH RANGE



STRING POT 50 INCH RANGE



STRING POT 12.5 INCH RANGE



STRING POT 4.75 INCH RANGE

TE Part #	SP2-25	SP2-50	SP2-12	SP2-4
EU RoHS Compliance				
EU ELV Compliance				
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant	EU RoHS Compliant with Exemptions	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant with Exemptions	EU ELV Compliant with Exemptions	EU ELV Compliant with Exemptions	EU ELV Compliant
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS SP	MEAS SP	MEAS SP	MEAS SP

***EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

****EU ELV Directive 2000/53/EC**

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.