

Voltage Divider Mini String Pot

MEAS | MEAS SM



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

The SM2 miniature string pot offers full stroke measurement ranges from 2½ to 25 inches. A precision plastic hybrid 10K-ohm potentiometer delivers a voltage divider output signal that is linearly proportional to the travel of the spring-loaded measuring cable.



Position Sensor Product Type: **SM, Mini String Pot Series**

Full Stroke Range: **63.5 - 635 mm**

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

Accuracy: **±.25 % of FS**

Repeatability: **.02 % of FS**

Benefits

- Linear position to 25 inches (635 mm)
- Standard mounting bracket
- Polycarbonate enclosure
- Free release tolerant

Features

Reference Number

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Product Type Features

Position Sensor Product Type	SM, Mini String Pot Series
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Body Features

Case Material	Polycarbonate + Stainless Mounting Bracket
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Dimensions

Full Stroke Range (mm)	63.5 - 635
Full Stroke Range (in)	2.375, 7.5, 12.5, 25

Usage Conditions

Accuracy (% of FS)	±.25, ±1
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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



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certificato Nr. 5010011753
secondo la norma UNI EN ISO 9001

Products (1 of 1)



STRING POT, 25 INCH RANGE



STRING POT, 12.5 INCH RANGE



STRING POT, 2.5 INCH RANGE



STRING POT, 7.5 INCH RANGE

TE Part #	SM2-25	SM2-12	SM2-2	SM2-7
Full Stroke Range	63.5 - 635 mm	63.5 - 635 mm	63.5 - 635 mm	63.5 - 635 mm
Accuracy	±.25 % of FS	±.25 % of FS	±1 % of FS	±.25 % of FS
EU RoHS Compliance				
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	EU RoHS Compliant	EU RoHS Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Out of Scope for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS SM	MEAS SM	MEAS SM	MEAS SM

*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.



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