

J1939 CANbus String Potentiometer

MEAS | MEAS SG



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

The SGJ series cable actuated string potentiometer is constructed with a rugged polycarbonate body, an extremely durable spring-loaded stainless steel measuring cable and a stainless steel mounting bracket. This model provides linear position sensing over J1939 CANbus for OEM, mobile equipment and factory automation applications. This product is configurable, please refer to the datasheet for available options.



Position Sensor Product Type: **SG Series String Pots**

Full Stroke Range: **3048 mm**

Output Signal Type: **CAN J1939**

Accuracy: **±.5 % of FS**

Repeatability: **.02 % of FS**

Features

Reference Number

Product Type Features

Position Sensor Product Type	SG Series String Pots
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Body Features

Case Material	Polycarbonate + Stainless Mounting Bracket
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Dimensions

Full Stroke Range (mm)	2032, 3048
Full Stroke Range (in)	80, 120

Usage Conditions

Accuracy (% of FS)	±.5
Operating Temperature Range (°C)	-40 - 85
Operating Temperature Range (°F)	-40 - 185

Operation/Application

Digital Resolution (bit)	12
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Output Signal Type	CAN J1939
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Industry Standards

IP Rating	IP67
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Other

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

Products (1 of 1)



STRING POT, 120 INCH RANGE



STRING POT, 80 INCH RANGE



STRING POT,80 INCH RANGE,T.R.

TE Part #	SGJ-120-4	SGJ-80-4	SGJ-80-4-TR
Full Stroke Range	3048 mm	2032 mm	2032 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	Not Yet Reviewed for EU RoHS
EU ELV Directive 2000/53/EC	Out of Scope for EU ELV	Not Yet Reviewed for EU ELV	Out of Scope for EU ELV
Product Families	MEAS	MEAS	MEAS
Series	MEAS SG	MEAS SG	MEAS SG

*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.