



MEAS | MEAS PT9420

TE Internal #: 10207718-00

TE Internal Description: PT9420-0400-111-1310

4 to 20mA NEMA 6 String Potentiometer

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Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors > 4 to 20mA NEMA 6 String Potentiometer



Position Sensor Product Type: **Industrial String Potentiometer**

Full Stroke Range: 10160 mm [400 in]

Output Signal Type: 0 – 20 mA

Accuracy: ±.12 % of FS

Repeatability: .05 % of FS

[All 4 to 20mA NEMA 6 String Potentiometer \(1174\)](#)

Features

Product Type Features

Position Sensor Product Type	Industrial String Potentiometer
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Body Features

Case Material	Aluminum
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Dimensions

Full Stroke Range	10160 mm[400 in]
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Usage Conditions

Accuracy	±.12 % of FS
Operating Temperature Range	-40 – 90 °C[-40 – 194 °F]

Operation/Application

Output Signal Type	0 – 20 mA
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Industry Standards

IP Rating	IP67
Hazardous Area Approval	None

Other

Repeatability	.05 % of FS
Measuring Cable	.034 Inch Dia Nylon-Coated Stainless Steel

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (5.3% in 20973981313) Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (1% in Component Part) Pb (20% in Component Part)</p> <p>Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Also in the Series | [MEAS PT9420](#)



Cable Actuated Position Sensors(1209)

Documents

Datasheets & Catalog Pages

[PT9420](#)

English