



MEAS | MEAS PT420

TE Internal #: 04-0847-0317

TE Internal Description: PT420-0040-111-1240

4-20MA CLASSIC STRING POT

[View on TE.com >](#)

Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors > 4-20MA CLASSIC STRING POT



Position Sensor Product Type: **Industrial String Potentiometer, Instrument Grade Potentiometer**

Full Stroke Range: 1016 mm [40 in]

Output Signal Type: 20 – 4 mA

Accuracy: ±.15 % of FS

Repeatability: .05 % of FS

[All 4-20MA CLASSIC STRING POT \(185\)](#)

Features

Product Type Features

Position Sensor Product Type	Industrial String Potentiometer, Instrument Grade Potentiometer
------------------------------	---

Body Features

Case Material	Aluminum
---------------	----------

Dimensions

Full Stroke Range	1016 mm[40 in]
-------------------	----------------

Usage Conditions

Accuracy	±.15 % of FS
Operating Temperature Range	-40 – 90 °C[-40 – 194 °F]

Operation/Application

Output Signal Type	20 – 4 mA
--------------------	-----------

Industry Standards

IP Rating	IP50
-----------	------

Other

Encoder Drive	No
Repeatability	.05 % of FS

Measuring Cable

.019 Inch Dia Nylon-Coated Stainless Steel

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU

Compliant

EU ELV Directive 2000/53/EC

Out of Scope

China RoHS 2 Directive MIIT Order No 32, 2016

有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2025 (250)

Candidate List Declared Against: JUNE 2025 (250)

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 (70% in Component Part)

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.

Halogen Content

Not Yet Reviewed for halogen content

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 PT420](#)



Cable Actuated Position Sensors(185)

Documents

Datasheets & Catalog Pages

[PT420](#)

English