

VOLTAGE OUT PT1 STRING POT



MEAS | MEAS PT1 SERIES

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The PT1DC series 0-5V / 0-10V PT1 string pot can operate from an unregulated 14.5 to 40 VDC power supply, has a maximum measurement range up to 50 inches, and has four output signal options.



[Sensors](#) > [Position Sensors](#) > [Potentiometric Sensors](#) > [Cable Actuated Position Sensors](#)

The PT1DC series 0-5V / 0-10V PT1 string pot can operate from an unregulated 14.5 to 40 VDC power supply while providing an output signal that is proportional to the linear movement of its measuring cable.



Cable Actuated Position Sensor Product Type: **PT1 Series**

Output Signal: **0 - 10 VDC**

Repeatability: **.02 % of FS**

Resolution: **Continuous Analog mm**

Cable Actuated Position Sensor Housing Material: **Aluminum + Polycarbonate**

The PT1DC series 0-5V / 0-10V PT1 string pot has a maximum measurement range up to 50" and has 4 output signal options to choose from: 0...10, 0...5, -10...+10 and -5...+5 Vdc.

Just like the rest of the PT1 series, the PT1DC also offers several options including forward and reverse output signals, zero and span adjustments and alternate measuring cable exits.

Benefits

- Absolute Linear Position to 50 inches (1270 mm)
- Aluminum and Polycarbonate Enclosure
- Compact Design
- IP65
- NEMA 4 Protection

Features



Product Type Features

Cable Actuated Position Sensor Product Type	PT1 Series
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Signal Characteristics

Output Signal	0 - 10 VDC
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Body Features

Cable Actuated Position Sensor Housing Material	Aluminum + Polycarbonate
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Usage Conditions

Operating Temperature Range (°C)	-18 - 93
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Operating Temperature Range (°F)	0 - 200
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Operation/Application

Resolution (mm)	Continuous Analog
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Industry Standards

IP Rating	IP65
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Hazardous Area Approvals	No
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Other

Full Stroke Ranges (mm)	127, 1270, 254
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Full Stroke Ranges (in)	10, 5, 50
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Cable Actuated Position Sensor Accuracy (% of FS)	.15, .28
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Repeatability (% of FS)	.02
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Encoder Drive	No
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Measuring Cable	.019 Inch Dia Nylon-Coated Stainless Steel
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Reference Number

TE Internal Number	CAT-CAPS0009
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SEE PRODUCTS ON NEXT PAGE



Products (1 of 1)



POSITION SENSOR,
PT1DC SERIES

PT1DC-10-UP-Z10-
C25-SG

PT1DC-50-DN-Z10-
M6-SG

PT1DC-50-FR-Z10-
M6

TE Part #	11025071-00	04-1103-1532	04-1103-1568	04-1103-0048
Full Stroke Ranges	127 mm	254 mm	1270 mm	1270 mm
Cable Actuated Position Sensor Accuracy	.28 % of FS	.28 % of FS	.15 % of FS	.15 % of FS
EU RoHS Directive 2011/65/EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	Not Yet Reviewed for EU RoHS	EU RoHS Compliant with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope for EU ELV	Out of Scope for EU ELV	Not Yet Reviewed for EU ELV	Out of Scope for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS PT1 SERIES	MEAS PT1 SERIES	MEAS PT1 SERIES	MEAS PT1 SERIES

*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.



Related Materials

[Data Sheet](#)

[PT1DC](#)

English

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[Cable Actuated Position Sensors\(16\)](#)

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[PT1DC-40-UP-Z10-M6](#)