

02560231-000 ✓ ACTIVE

MEAS | MEAS R30

TE Internal #: 02560231-000

TE Internal Description: RVDT R30A ASSY

AC LIGHT WEIGHT RVDT

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Sensors > Position Sensors > RVDT/RVIT Sensors > AC LIGHT WEIGHT RVDT



Position Sensor Product Type: **Rotary Variable Differential Transformer (RVDT)**

Angular Range: **-30 – 30 °**

Non-Linearity  $\pm$ : **.25 %**

Output Signal Type: **AC Voltage**

Operating Temperature Range: **-55 – 150 °C [ -67 – 300 °F ]**

## Features

### Product Type Features

Position Sensor Product Type	Rotary Variable Differential Transformer (RVDT)
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### Configuration Features

Electrical Connection	Lead Wires
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### Electrical Characteristics

Supply Voltage	3 Vrms
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### Signal Characteristics

Excitation Frequency	2.5 – 10 kHz
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### Body Features

Product Weight	36 g
Case Material	Anodized Aluminum

### Mechanical Attachment

Sensor Mount Type	Size 11 Servo Mount
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### Dimensions

Shaft Diameter	4.76 mm[.188 in]
Product Diameter	25.4 mm[1 in]

### Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 300 °F]
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### Operation/Application

Output Signal Type	AC Voltage
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### Other

Angular Range	-30 – 30 °
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Non-Linearity ±	.25 %
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Bearing Type	ABEC 3 Precision Ball Bearing
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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Halogen Content	Not Yet Reviewed for halogen content
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Solder Process Capability	Not reviewed for solder process capability
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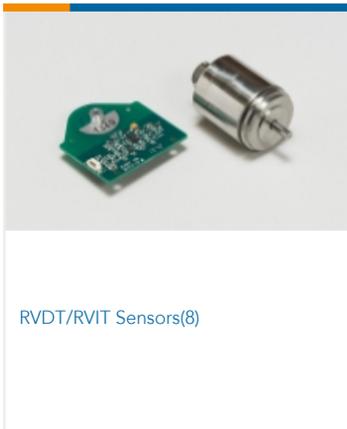
#### Product Compliance Disclaimer

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>

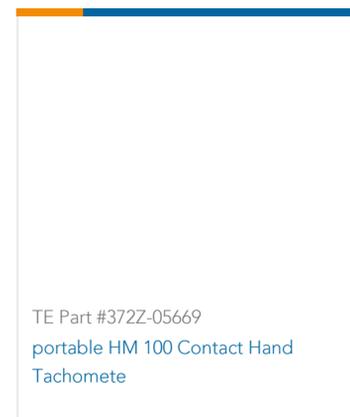
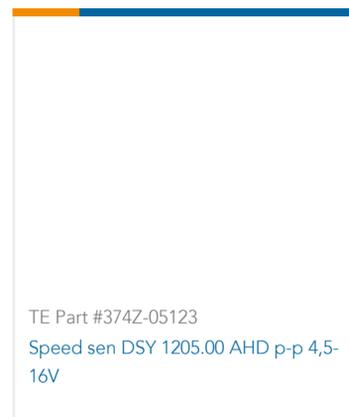
## Compatible Parts



### Also in the Series | MEAS R30



### Customers Also Bought





## Documents

[Datasheets & Catalog Pages](#)

[AC Operated, Light Weight RVDT](#)

English