



Sensors > Position Sensors > LVDT/LVIT Sensors > ULTRA-PRECISION GAGE HEADS



Housing Diameter: 9.5 mm [ .374 in ]

Full Stroke Ranges:  $\pm 2.54$  mm [  $\pm 0.1$  in ]

Linearity:  $\pm 0.2$  % of Span

Linear Position Sensor - LVDT/LVIT Housing Material: High Carbon Steel

Linear Position Sensor - LVDT/LVIT Form Factor: Cylindrical

#### [All ULTRA-PRECISION GAGE HEADS \(21\)](#)

## Features

### Electrical Characteristics

Linear Position Sensor - LVDT/LVIT Supply Voltage	3 V
Excitation Frequency	2500 – 10000 Hz
Electrical Connections	Shielded Cable

### Signal Characteristics

Excitation Frequency	2.5 – 10 kHz
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### Body Features

Linear Position Sensor - LVDT/LVIT Form Factor	Cylindrical
Spring Loaded	Spring Loaded

### Housing Features

Housing Diameter	9.5 mm [.374 in]
Linear Position Sensor - LVDT/LVIT Housing Material	High Carbon Steel

### Usage Conditions

Operating Temperature Range	5 – 60 °C [41 – 140 °F]
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### Industry Standards

IP Rating	IP60
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### Other

Full Stroke Ranges	±2.54 mm[±.1 in]
Linearity	±.2 % of Span

## Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



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



LVDT/LVIT Sensors(22)

### Customers Also Bought



TE Part #350690-2  
UMNL PIN 24-18 AUBR L/P



TE Part #3-1879354-3  
RR03 5% 6R8 AMMO



TE Part #NB13504001  
RNF-100-3/8-BK-FSP



TE Part #NB15714001  
RNF150 Heat shrink Tubing



TE Part #5-1393104-1  
KRPA-11DN-24=KRPA



TE Part #1SNA115116R0700  
M4/6



TE Part #ZPF000000000202097  
732-8258-01 W



TE Part #ZPF000000000108010  
DMC-MD 44-01 A1064

### Documents

[Datasheets & Catalog Pages](#)

[Ultra-Precision Gage Heads](#)

English