MINIATURE AC LVDT WITH GUIDED CORE

LD340 Series

- Rugged Construction
- Small Body Diameter, Only 9.52 mm (0.37”)
- Good Measurement Range to Body Length Ratio
- High Performance
- Guide Core

The LD340 Series miniature AC LVDT is the ideal choice for applications requiring precision linear positioning measurement within a restricted space. They have a guided core and IP65 rated for use in harsh environments.

SPECIFICATIONS

Linearity: <0.25% FSO
Excitation Voltage: 1 to 10 Vrms
Current Draw at 5 kHz: <7 ma/V
Sensitivity at 5 kHz ±10% (mV/V/mm):
  ± 1.5 mm = 108
  ± 6 mm = 78
  ± 12.5 mm = 69
Storage Temp: -40 to 150°C (-40 to 302°F)
Operating Temp: -40 to 150°C (-40 to 302°F)
Temperature Coefficient: <0.05% FSO/°C (0.03%/°F)
Total Mechanical Travel:
  ± 1.5 mm = 3.6
  ± 6 mm = 15.2
  ± 12.5 mm = 29.8
Environmental Sealing: IP65
Cable: 3 m (10') FEP shielded cable
Case Material: 400 series stainless steel
Body Diameter: 9.52 mm (0.37”)

To Order
Visit omega.com/ld340 for Pricing and Details

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>RANGE (mm, inch)</th>
<th>A DIMENSION (mm, inch)</th>
<th>B DIMENSION (mm, inch)</th>
<th>COMPATIBLE SIGNAL CONDITIONERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD340-1.5</td>
<td>± 1.5 (0.06)</td>
<td>20.60 (0.811)</td>
<td>14.10 (0.555)</td>
<td>LDX-2, LDX-3A, LDX-4, LDX-D</td>
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<tr>
<td>LD340-6</td>
<td>± 6 (0.24)</td>
<td>46.50 (1.831)</td>
<td>21.00 (0.827)</td>
<td>LDX-2, LDX-3A, LDX-4, LDX-D</td>
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<tr>
<td>LD340-12.5</td>
<td>± 12.5 (0.49)</td>
<td>83.50 (3.287)</td>
<td>31.70 (1.248)</td>
<td>LDX-2, LDX-3A, LDX-4, LDX-D</td>
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</tbody>
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Comes complete with operator’s manual.

Ordering Examples: LD340-1.5, miniature AC LVDT with ± 1.5 mm (0.06”) stroke.
LD340-6, miniature AC LVDT with ± 6 mm (0.24”) stroke.