LTP-A is built easy mounting by double pivot heads. It’s a high precision 4-20 mA analog output industrial linear motion transducer with a long lasting conductive track suitable for absolute position measuring in control and Measurement applications. Designed for the direct, absolute measurement of displacement or angle in control regulation and measuring applications.

Mechanical fixing and self-aligning linkage using 2 ball joints. Maximum angular movement angle is up to ±30°

High resolution (0.01 mm) combined with a stroke length of up to 750 mm permits the accurate measurement of linear displacement.

LTP-A Series 4-20 mA Analog Output Linear Transducers are mainly used in:

- Press Brake Machines
- Marble Machines
- Tension Control
- Horizontal Band Saw Machines
- Transfer Machines
- Hydraulic Machines
- Sheet Metal Working Machines
- Bending Presses
- Textile Machines

**Technical Specifications**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Signals</td>
<td>Standart 4-20 mA Analog Output (optional 0-20 mA)</td>
</tr>
<tr>
<td>Independent Linearity</td>
<td>±%0,015</td>
</tr>
<tr>
<td>Electrical Connection</td>
<td>4 pin female socket</td>
</tr>
<tr>
<td>Power Supply</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Resistance</td>
<td>5K or 10Kohm and other (±%20 tolerance)</td>
</tr>
<tr>
<td>Protection Class</td>
<td>IP65</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-30°C +100°C</td>
</tr>
<tr>
<td>Life</td>
<td>100 million movements</td>
</tr>
<tr>
<td>Mechanical Fixing</td>
<td>With 2 ball-joints</td>
</tr>
<tr>
<td>Rod Material</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Housing Material</td>
<td>Anodized aluminium</td>
</tr>
</tbody>
</table>

**Order Code**

<table>
<thead>
<tr>
<th>Model No</th>
<th>Defined Stroke Range</th>
<th>Included in Delivery</th>
<th>Recommended Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT - P -</td>
<td>Several standard lengths from 50 mm to 750 mm</td>
<td>1 Connector / 4 pin female socket</td>
<td>Pivot head</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Process-controlled indicators “ALP Series”</td>
</tr>
<tr>
<td></td>
<td>*other lengths on request</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>4-20 mA Analog Current Output</td>
<td></td>
<td></td>
</tr>
<tr>
<td>**Optional 0-20 mA Current Output</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Dimension

- **Type**:
  - LTP 50
  - LTP 75
  - LTP 100
  - LTP 125
  - LTP 150
  - LTP 200
  - LTP 225
  - LTP 250
  - LTP 275
  - LTP 300
  - LTP 360
  - LTP 400
  - LTP 450
  - LTP 500
  - LTP 550
  - LTP 600
  - LTP 650
  - LTP 700
  - LTP 750

#### Stroke
- **Type**: Stroke
- **Values**: 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 360, 400, 450, 500, 550, 600, 650, 700, 750

#### Resistance (Kohm)
- **Type**: Resistance
- **Values**: 5K, 5K, 5K, 5K, 5K, 5K, 5K, 5K, 5K, 5K, 5K, 5K, 5K, 5K, 10K, 10K, 10K

#### Mechanical Stroke (mm)
- **Type**: Mechanical Stroke
- **Values**: 54, 79, 104, 129, 154, 179, 204, 229, 254, 279, 304, 364, 404, 454, 504, 554, 604, 654, 704, 754

#### Electrical Stroke (mm)
- **Type**: Electrical Stroke
- **Values**: 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 360, 400, 450, 500, 550, 600, 650, 700, 750

### Connections

- **4-20 mA Analog Output**
  1. +24 VDC Supply
  2. Analog Output
  3. Ground
  4. Shield

### Mechanical Dimensions

#### Between Pivot Heads (A) (mm) ±2 mm
- **Values**: 227, 252, 277, 302, 327, 352, 377, 402, 427, 452, 477, 537, 577, 627, 677, 727, 777, 827, 877, 927

#### Body Length (B) (mm) ±2 mm
- **Values**: 160, 184, 209, 234, 259, 284, 309, 334, 359, 384, 409, 469, 509, 559, 609, 659, 709, 759, 809, 859

---

ATEK SENSOR TECHNOLOGY AG

Cevizil Mah. Bagdat Cad. Guven Sok No:11 34846 Maltepe –ISTANBUL / TURKEY
Tel : +90 216 399 44 04 pbx  Fax : +90 216 399 44 02
Web: www.ateksensor.com  e-mail: info@ateksensor.com