Specifications:

Measurement range: 0 up to 6000 mm

Output signal: 1kΩ (other values on demand)

Resolution: Quasi infinite (depends on the operating system)

Material:
- Body and cover: Aluminium (RoHS)
- Measuring cable: Stainless steel

Cable diameter: 0.60 mm

Detection element: Precision potentiometer

Connection:
- Male connector M16 – DIN 3 pin
- Male connector M12 – 4 pin
- PVC cable – 4 wires

Standard linearity: +/- 0.15% f.s.

Protection class:
- IP54 (option IP67)

Max. Velocity: 10 m/s

Max. Acceleration: 5 m/s² (before cable deformation)

Weight: ≈ 3000 g

Operating temperature: -20°C to +80°C

Storage temperature: -30°C to +80°C

<table>
<thead>
<tr>
<th>Measurement range in mm</th>
<th>Min. pull-out force</th>
<th>Max. pull-out force</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000</td>
<td>≈ 11,00 N</td>
<td>≈ 13,50 N</td>
</tr>
<tr>
<td>6000</td>
<td>≈ 10,00 N</td>
<td>≈ 13,50 N</td>
</tr>
</tbody>
</table>

Ordering reference:

Model

- CD150

Measurement range

<table>
<thead>
<tr>
<th>Measurement range</th>
<th>Min. pull-out force</th>
<th>Max. pull-out force</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000 = 0 up to 4000 mm</td>
<td>= 11,00 N</td>
<td>= 13,50 N</td>
</tr>
<tr>
<td>6000 = 0 up to 6000 mm</td>
<td>= 10,00 N</td>
<td>= 13,50 N</td>
</tr>
</tbody>
</table>

Output signal

R01K = 1kΩ output

(Other values on demand)

Linearity

L15 = +/- 0.15% f.s.

L10 = +/- 0.10% f.s. (optional)

Connection

- Male connector M16 – DIN 3 pin
- Male connector M12 – 4 pin
- PVC cable – 4 wires + ex: 02 for cable 2 meters long

OP Options

- AC = Complete anodizing
- BR = Cleaning brush for the cable
- BT = Low temperature (down to -30°C)
- CP = Fixing of the measuring cable with a clevis
- IP67 = Protection class IP67
- M4 = Fixing of the measuring cable with a M4 threaded rod
- TEV = Water evacuation holes

Reference example: CD150-4000-R01K-L15-X02-OP-AC-M4

Made in France
CD150 potentiometric output – Measurement range 0 up to 6000 mm

Dimensional Drawing
Measurement range up to 4000 mm

K connection (PVC cable - 4 wires)
L4 connection (connector M12 - 4 pin)

C connection (Connector M16 - DIN 3 pin)

Measuring range greater than 4000 mm up to 6000 mm

K connection (PVC cable - 4 wires)
L4 connection (connector M12 - 4 pin)

C connection (Connector M16 - DIN 3 pin)