CDS12-15000 potentiometric output – Measurement range 0 up to 15 000 mm

Specifications:

- Measurement range: 0 up to 15 000 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: 0,90 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: IP65
- Max. Velocity: 4 m/s^2 (before cable deformation)
- Max. Acceleration: 4 m/s^2 (before cable deformation)
- Weight: ≈ 8 kg
- Operating temperature: -20° to +80°C
- Storage temperature: -30° to +80°C

Cable forces:

<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>15 000</td>
<td>≈ 10,50 N</td>
<td>≈ 15,00 N</td>
</tr>
</tbody>
</table>

Ordering reference:

- Model: CDS12
- Measurement range:
  - 15000 = 0 up to 15 000 mm
  (Other ranges available on demand)
- Output signal:
  - R01K = 1kΩ output
  (Other values on demand)
- Linearity:
  - L15 = +/- 0.15% f.s.
  - L10 = +/- 0.10% f.s. (optional)
- Connection:
  - C = Male connector M16 - DIN 3 pin
  - L4 = Male connector M12 - 4 pin
  - K = 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
  - M6 = Fixing of the measuring cable with a M6 threaded rod
  - TEV = Water evacuation holes + ex: 180 for 180° holes (see the options page for further details)

Reference example: CDS12-15000-R01K-L15-K02-OP-AC-M6

Made in France
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Dimensions:

K connection
(PVC cable - 4 wires)

L4 connection
(connector M12 - 4 pin)

C connection
(Connector M16 - DIN 3 pin)

Modular base plate