Specifications:

- **Measurement range**: 0 up to 2000 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.
  +/- 0,10% f.s. (optional)
- **Protection class**: IP54 (option IP67)
- **Max. Velocity**: 10 m/s
- **Max. Acceleration**: 8 m/s² (before cable deformation)
- **Weight**: ≈ 1500 g
- **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>2000</td>
<td>≈ 8,00 N</td>
<td>≈ 11,00 N</td>
</tr>
</tbody>
</table>

**Ordering reference**:

- **Model**: CD080
- **Measurement range**: 2000 = 0 up to 2000 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
  EM = Fixing of the measuring cable with a clip
  IP67 = Protection class IP67
  M4 = Fixing of the measuring cable with a M4 threaded rod
  TEV = Water evacuation holes

Reference example: CD80-2000-R01K-L15-K02-OP-AC-EM

Made in France
CD080 potentiometric output – Measurement range 0 up to 2000 mm

Dimensional Drawing

K connection
(PVC cable - 4 wires)

L4 connection
(Connector M12 - 4 pin)

C connection
(Connector M16 - DIN 3 pin)