Specifications:

- **Measurement range**: 0 up to 2500 mm
- **Circumference drum**: 200 mm/turn, 204,8 mm/turn
- **Sensing device**: Adaptable with all our incremental or absolute encoders
- **Material**: Body and cover - aluminium (RoHS), Measuring cable – Stainless steel
- **Cable diameter**: 0,60 mm
- **Standard linearity**: +/- 0,05% f.s.
- **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>2500</td>
<td>≈ 7,50 N</td>
<td>≈ 11,00 N</td>
</tr>
</tbody>
</table>

Ordering reference:

- **Model**: CD080-MEC
- **Measurement range**: 2500 = 0 up to 2500 mm
- **(Other range available on demand)**
- **Drum circumference**: 200 = 200 mm/turn, 204,8 = 204,8 mm/turn
- **Linearity**: L005 = +/- 0.05% f.s., L001 = +/- 0.01% f.s. (optional)
- **OP options**:
  - 06 = Adapter flange for Ø58 encoder with Ø6 axis (06A for the provision of a Ø6 coupling device without flange)
  - 10 = Adapter flange for Ø58 encoder with Ø10 axis
  - 12 = Adapter flange for Ø90 encoder with Ø12 axis (12A for the provision of a Ø6 coupling device without flange)
  - AC = Complete anodizing
  - BR = Cleaning brush for the cable
  - CP = Fixing of the measuring cable with a clevis
  - EM = Fixing of the measuring cable with a clip
  - M4 = Fixing of the measuring cable with a M4 threaded rod
  - TEV = Water evacuation holes

If no option is specified for the adapter flange, the draw-wire sensor will be supplied as standard with a Ø10 coupling brace without a flange. For the adaptation of an encoder or other sensor device which does not belong to our range, please contact us.

Reference example: **CD080-MEC-2500-200-L05-OP-10-AC**

Made in France
CD080-MEC mechanical devices - Measurement range 0 up to 2500 mm

Dimensions:

![Dimension Diagram]