Specifications:

- **Measurement range**: 0 up to 10 000 mm
- **Circumference drum**: 300 mm/turn
- **Sensing device**: Adaptable with all our incremental or absolute encoders
- **Material**: Body and cover - aluminium (RoHS)
- **Measuring cable**: Stainless steel
- **Cable diameter**: 0,90 mm
- **Standard linearity**: +/- 0,05% f.s.
- **Max. Velocity**: 10 m/s
- **Max. Acceleration**: 5 m/s² (before cable deformation)
- **Weight**: ≈ 6kg
- **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>10 000</td>
<td>≈ 10,50 N</td>
<td>≈ 15,00 N</td>
</tr>
</tbody>
</table>

**Ordering reference**:

Model: CDS12-MEC

- **Measurement range**: 10000 = 0 up to 10 000 mm
  (Other ranges available on demand)
- **Drum circumference**: 300 = 300 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
  - **BT**: Low temperature (down to -30°C)
  - **CP**: Fixing of the measuring cable with a clevis
  - **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)

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: CDS1210-MEC-10000-300-L005-OP-10-AC

Made in France

Changes possible without further notice - Version 1304
CDS12-MEC-10000 mechanical devices - Measurement range 0 up to 10 000 mm

Dimensions:

Oldham coupling adaptable to the detection element that will be mounted (see options)

Modular base plate