Specifications:

- **Measurement range**: 0 up to 30000 mm
- **Circumference drum**: 500 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.
  - +/- 0,01% f.s. (optional)
- **Max. Velocity**: 10 m/s
- **Max. Acceleration**: 2 m/s² (before cable deformation)
- **Weight**: ≈ 15 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>30 000</td>
<td>≈ 15,00 N</td>
<td>≈ 30,00 N</td>
</tr>
</tbody>
</table>

**Ordering reference**:

Model

CDS18-MEC

**Measurement range**

30 000 = 0 up to 30 000 mm
(Other ranges available on demand)

**Drum circumference**

500 = 500 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° 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: CDS18-MEC-30000-500-L005-OP-10-AC

Made in France
CDS18-MEC-30000 mechanical devices - Measurement range 0 up to 30 000 mm

Dimensional Drawing

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

Modular base plate