CD150-MEC mechanical devices - Measurement range 0 up to 6000 mm

Specifications:

Measurement range: 0 up to 6000 mm
Circumference drum: 409.6 mm/turn
Sensing device: Adaptable with all our incremental or absolute encoders
Material: Body and cover - aluminium (RohS).
Measurements cable - Stainless steel
Cable diameter: 0.60 mm
Standard linearity: +/- 0.05% f.s.
Max. Velocity: 10 m/s
Max. Acceleration: 5 m/s² (before cable deformation)
Weight: ≈ 3000 g
Operating temperature: -20°C to +80°C
Storage temperature: -30°C 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>6000</td>
<td>≈ 10.00 N</td>
<td>≈ 13.50 N</td>
</tr>
</tbody>
</table>

Ordering reference:

CD150-MEC

Model

Measurement range
6000 = 0 up to 6000 mm
(Other ranges available on demand)

Drum circumference
409.6 = 409.6 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
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: CD150-MEC-6000-409.6-L005-OP-10-AC

Made in France
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Dimensions Drawing

Changes possible without further notice - Version 130425

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