CD060 absolute output – Measurement range 0 up to 1500 mm

Specifications:

Measurement range: 0 up to 1500 mm
Sensing device: Absolute encoder – cf absolute encoder datasheet
Material: Body and cover - aluminium (RohS)
Measuring cable – Stainless steel
Cable diameter: 0,60 mm
Standard linearity: +/- 0,05% f.s.
Protection class: IP64
Max. Velocity: 10 M/S
Max. Acceleration: 20 M/S² (before cable deformation)
Weight: ≈ 1000 g
Operating temperature: -20° to +85°C
Storage temperature: -40° to +85°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>1500</td>
<td>≈ 9,00 N</td>
<td>≈ 12,00 N</td>
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</tbody>
</table>

Ordering reference:

Model
CD060
Measurement range
1500 = 0 up to 1500 mm
(Other range available on demand)

Drum circumference
150 = 150 mm/turn
152.4 = 152.4 mm/turn

Linearity
L005 = +/- 0.05% f.s.
L001 = +/- 0.01% f.s. (optional)

OP options
AC = Complete anodizing
BR = Cleaning brush for the cable
CO = Fixing of the measuring cable with a lug
CP = Fixing of the measuring cable with a clevis
EM = Fixing of the measuring cable with a clip
EN = Measuring cable coated with polyamide
M4 = Fixing of the measuring cable with a M4 threaded rod
TEV = Water evacuation holes

Reference example with an encoder (cf. ex. PHM5 / MHM5 / THM4510 datasheet):
CD060-1500-150-LO05 + PHM5_10/P5SG/13B12D5/S6R/**03**

Nota:
- encoder selected must be with 10mm shaft,
- **03** means that the encoder is equipped with a servo flange in order to be mount on the CD060,
- The resolution of the system depends of the encoder pulses number, example: with a 150mm drum perimeter and a 8192ppr encoder, 1 encoder pulse will be emitted each 0,0183mm (150/8192).

Made in France
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BEI Sensors SAS
Espace Européen de l’Entreprise
9, rue de Copenhague
B.P. 70044 Schiltigheim
F 67013 Strasbourg Cedex

Tel: +33 (0)3 88 20 80 80
Fax: +33 (0)3 88 20 97 87
Mail: info@beisensors.com
Web: www.beisensors.com

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