CD060 incremental output – Measurement range 0 up to 1500 mm

Specifications:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement range</td>
<td>0 up to 1500 mm</td>
</tr>
<tr>
<td>Sensing device</td>
<td>Incremental encoder – cf incremental encoder datasheet</td>
</tr>
<tr>
<td>Material</td>
<td>Body and cover - aluminium (RoHS), Measuring cable – Stainless steel</td>
</tr>
<tr>
<td>Cable diameter</td>
<td>0,60 mm</td>
</tr>
<tr>
<td>Standard linearity</td>
<td>+/- 0,05% f.s.</td>
</tr>
<tr>
<td></td>
<td>+/- 0,01% f.s. (optional)</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP64</td>
</tr>
<tr>
<td>Max. Velocity</td>
<td>10 M/S</td>
</tr>
<tr>
<td>Max. Acceleration</td>
<td>20 M/S² (before cable deformation)</td>
</tr>
<tr>
<td>Weight</td>
<td>≈ 1000 g</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20° to +85°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40° to +85°C</td>
</tr>
</tbody>
</table>

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>
</tr>
</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 DHM5 / GHM5 datasheet):
CD060-1500-150-1005 + DHM5_10/PG59/01500//G6R/**03**
CD060-1500-152.4-L001-OP-PV + GHM5_10/SGT9/00762//G2R/**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 an 1500ppr encoder, 1 encoder pulse will be emitted each 0,1mm.

Made in France
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**Dimensional Drawing**

With DHMS encoder
GPR or G3R connection
(PUR cable - 12 wires or PVC cable - 8 wires )

With DHMS encoder
G6R or GBR connection
(Male connector M23 - 12 pin CW or CCW)