Specifications:

Measurement range: 0 up to 1250 mm
Sensing device: Incremental encoder – cf incremental encoder datasheet
Material: Body and cover - aluminium (RoHS)
Cable – Stainless steel
Cable diameter: 0.51 mm
Standard linearity: +/- 0.15% f.s.
Protection class: IP54
Max. Velocity: 10 m/s
Max. Acceleration: 40 m/s² (before cable deformation)
Weight: ≈ 700 g
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>1250</td>
<td>≈ 4.00 N</td>
<td>≈ 6.50 N</td>
</tr>
</tbody>
</table>

Ordering reference:

Model
CD050

Measurement range
1250 = 0 up to 1500 mm
(Other range available on demand)

Drum circumference
100 = 100 mm/turn

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

OP options
AC = Complete anodizing
BT = Low temperature (down to -30°C)
CP = Fixing of the measuring cable with a clevis
EM = Fixing of the measuring cable with a clip
EN = Measuring cable coated with polyamide
IX = Stainless steel measuring cable not coated (standard)
M4 = Fixing of the measuring cable with a M4 threaded rod
RAC = Cable dust wiper
TEV = Water evacuation holes

Reference example with an encoder (cf GHM4 datasheet):
CD050-1200-100-L005 + GHM4_L6//5G59//010000//GDR//

Nota:
- encoder selected must be with L6 shaft,
- The resolution of the system depends of the encoder pulses number, example: with a 100mm drum perimeter and an 1000ppr encoder, 1 encoder pulse will be emitted each 0.1mm.

Made in France
CD050 incremental output – Measurement range 0 up to 1250 mm

Dimensional Drawing

G3R connection
(PVC cable - 8 wires - radial)

G3A connection
(PVC cable - 8 wires - axial)

GDA/G2A connection
(Connector M16 - DIN 5 or 8 pin)