

## CD050 incremental output – Measurement range 0 up to 1250 mm

### Specifications:

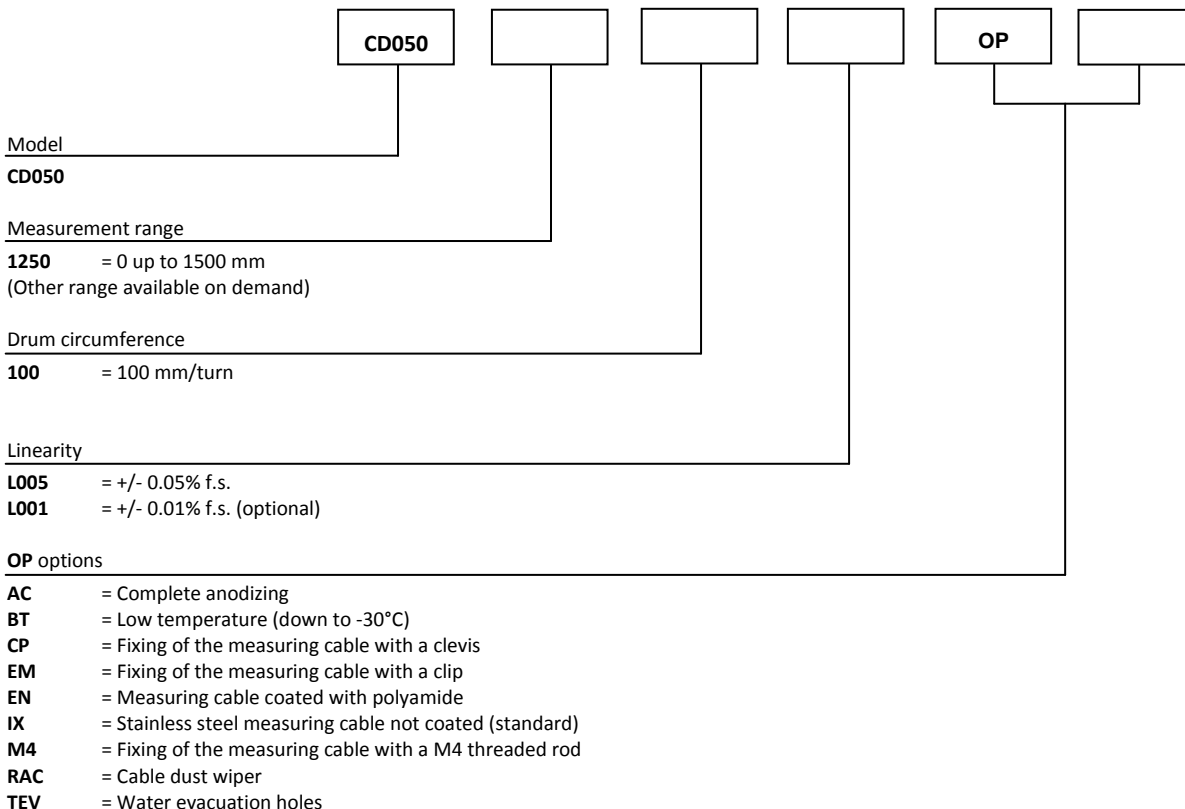
<b>Measurement range</b>	<b>0 up to 1250 mm</b>
<b>Sensing device</b>	<b>Incremental encoder – cf incremental encoder datasheet</b>
<b>Material</b>	<b>Body and cover - aluminium (RoHS) Measuring cable – Stainless steel</b>
<b>Cable diameter</b>	<b>0,51 mm</b>
<b>Standard linearity</b>	<b>+/- 0,15% f.s. +/- 0,10% f.s. (optional)</b>
<b>Protection class</b>	<b>IP54</b>
<b>Max. Velocity</b>	<b>10 M/S</b>
<b>Max. Acceleration</b>	<b>40 M/S<sup>2</sup> (before cable deformation)</b>
<b>Weight</b>	<b>≈ 700 g</b>
<b>Operating temperature</b>	<b>-20° to +80°C</b>
<b>Storage temperature</b>	<b>-30° to +80°C</b>



### Cable forces:

Measurement range in mm	Min. pull-out force	Max. pull-out force
1250	≈ 4,00 N	≈ 6,50 N

### Ordering reference:



Reference example with an encoder (cf GHM4 datasheet):

CD050-1200-100-L005 + GHM4\_L6//5G59//01000//GDR//

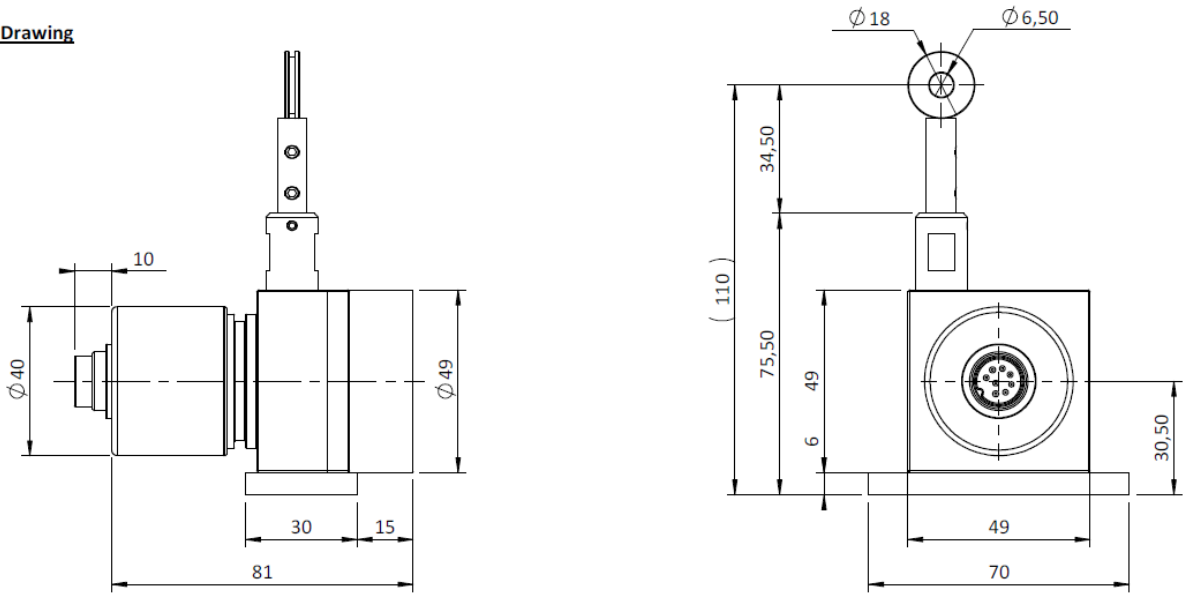
Nota:

- 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.

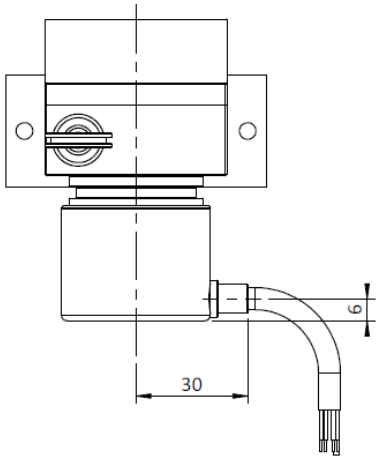
Made in France

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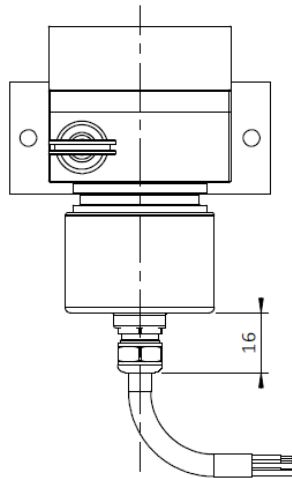
### Dimensional Drawing



G3R connection  
(PVC cable - 8 wires - radial)



G3A connection  
(PVC cable - 8 wires - axial)



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

