CD080 analog output – Measurement range 0 up to 2000 mm

Specifications:

Measurement range: 0 up to 2000 mm
Output signal: 0...10V (galvanic isolation)
4...20mA current loop
4...20mA current generator (galvanic isolation)
0...20mA current generator (galvanic isolation)
Resolution: Quasi infinite (depends on the operating system)
Material: Body and cover - aluminium (RoHS)
Measurements cable – Stainless steel
Cable diameter: 0,60 mm
Detection element: Precision potentiometer
Connection: Male connector M16 – DIN 8 pin
Male connector M12 – 4 pin
PVC cable – 4 wires
Standard linearity: +/- 0,15% f.s.
Protection class: IP54 (option IP67)
Max. Velocity: 10 m/s
Max. Acceleration: 8 m/s² (before cable deformation)
Weight: ≈ 1500 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>2000</td>
<td>≈ 8,00 N</td>
<td>≈ 11,00 N</td>
</tr>
</tbody>
</table>

Ordering reference:

Model
CD080
Measurement range
2000 = 0 up to 2000 mm
(Other range available on demand)
Output signal
U010 = 0...10V
I420 = 4...20mA (current loop)
I420G = 4...20mA (current generator)
I020G = 0...20mA (current generator)
Linearity
L15 = +/- 0.15% f.s.
L10 = +/- 0.10% f.s. (optional)
Connection
C = Male connector M16 – DIN 8 pin
L4 = Male connector M12 – 4 pin
K = PVC cable – 4 wires + ex: 02 for cable 2 meters long
OP Options
AC = Complete anodizing
BR = Cleaning brush for the cable
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
IP67 = Protection class IP67
M4 = Fixing of the measuring cable with a M4 threaded rod
TEV = Water evacuation holes

Reference example: CD080-2000-U010-L15-K02-OP-AC-EM

Made in France
CD080 analog output – Measurement range 0 up to 2000 mm