CD150 analog output – Measurement range 0 up to 6000 mm

Specifications:

Measurement range 0 up to 6000 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)

Measuring 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.

+/-.010% f.s. (optional)

Protection class IP54 (option IP67)

Max. Velocity 10 m/s

Max. Acceleration 5 m/s² (before cable deformation)

Weight ≈ 3000 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>4000</td>
<td>≈ 11,00 N</td>
<td>≈ 13,50 N</td>
</tr>
<tr>
<td>6000</td>
<td>≈ 10,00 N</td>
<td>≈ 13,50 N</td>
</tr>
</tbody>
</table>

Ordering reference:

Model

CD150

Measurement range

4000 = 0 up to 4000 mm

6000 = 0 up to 6000 mm

(Other ranges 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

IP67 = Protection class IP67

M4 = Fixing of the measuring cable with a M4 threaded rod

TEV = Water evacuation holes

Reference example: CD150-4000-U010-L15-K02-OP-AC-M4

Made in France
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Dimensional Drawing
Measurement range up to 4000 mm

K connection
(PVC cable - 4 wires)

L4 connection
(connector M12 - 4 pin)

C connection
(Connector M16 - DIN 8 pin)

Measuring range greater than 4000 mm up to 6000 mm

K connection
(PVC cable - 4 wires)

L4 connection
(connector M12 - 4 pin)

C connection
(Connector M16 - DIN 8 pin)

Changes possible without further notice - Version 130425