Specifications:

Measurement range: 0 up to 20 000 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: 0,90 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.
- +/- 0,10% f.s. (optional)

Protection class: IP65
Max. Velocity: 10 m/s
Max. Acceleration: 2 m/s² (before cable deformation)
Weight: ≈ 12 kg
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>20 000</td>
<td>≈ 15,00 N</td>
<td>≈ 30,00 N</td>
</tr>
</tbody>
</table>

Ordering reference:

Model: CDS18

Measurement range:
20000 = 0 up to 20 000 mm
(Other ranges available on demand)

Output signal:
- U10 = 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
- M6 = Fixing of the measuring cable with a M6 threaded rod
- TEV = Water evacuation holes + ex: 180 for 180° holes (see the options page for further details)

Reference example: CDS18-20000-U10-L15-K02-OP-AC-M6

Made in France
CDS18-20000 analog output – Measurement range 0 up to 20 000 mm

Dimensions:

K connection
(PVC cable - 4 wires)

L4 connection
(connector M12 - 4 pin)

C connection
(Connector M16 - DIN 3 pin)

Modular base plate

Changes possible without further notice - Version 130425