Specifications:

Measurement range: 0 up to 20 000 mm
Output signal: 1kΩ (other values on demand)
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 3 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: 2 m/s² (before cable deformation)
Max. Acceleration: 10 m/s²
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:

CDS18-20000 potentiometric output – Measurement range 0 up to 20 000 mm

CDS18-20000 = 0 up to 20 000 mm
(Other ranges available on demand)

Output signal
R01K = 1kΩ output
(Other values on demand)

Linearity
L15 = +/- 0.15% f.s.
L10 = +/- 0.10% f.s. (optional)

Connection
C = Male connector M16 - DIN 3 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° holes (see the options page for further details)

Reference example: CDS18-20000-R01K-L15-K02-OP-AC-M6

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

Dimensions: