



## | CD115

### POTENTIOMETRIC OUTPUT DRAW-WIRE – MEASUREMENT RANGE 0 UP TO 3000 MM

The CD115 Potentiometric is a Draw Wire sensor that utilizes a precision potentiometer output to indicate linear motion of the draw wire. Utilizing a spring loaded rotary cable reel with a stainless steel measuring cable and an aluminum enclosure, this sensor is well suited to the industrial environments that it is intended for. Dimensions are approximately 160 X 160 X 190 mm and weight is ~ 2000 g.



#### Features

- Range up to 3000 mm
- Standard linearity of 0.15%
- Connector and cable output options available
- IP54 rated with IP67 option
- Built-in cable cleaning brush option available
- Well suited for dusty, hot or wet environments

#### SPECIFICATIONS

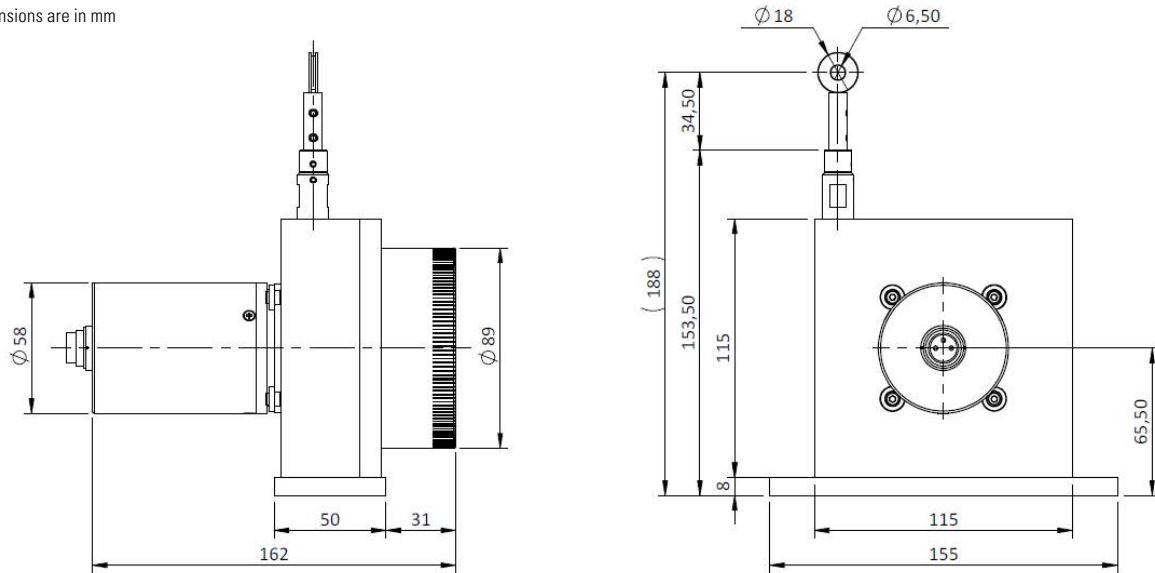
<b>Measurement range</b>	0 up to 3000 mm
<b>Output signal</b>	1k $\Omega$ (other values on demand)
<b>Resolution</b>	Quasi infinite (depends on the operating system)
<b>Material</b>	Body and cover - aluminum (RohS) Measuring cable - Stainless steel
<b>Cable diameter</b>	0,60 mm
<b>Detection element</b>	Precision potentiometer
<b>Connection</b>	Male connector M16 - DIN 3 pin Male connector M12 - 4 pin PVC cable - 4 wires
<b>Standard linearity</b>	+/- 0,15% f.s. +/- 0,10% f.s. (optional)
<b>Protection class</b>	IP54 (option IP67)
<b>Max. Velocity</b>	10 m/s
<b>Max. Acceleration</b>	7 m/s <sup>2</sup> (before cable deformation)
<b>Weight</b>	≈ 2000 g
<b>Operating temperature</b>	-20° to +80°C
<b>Storage temperature</b>	-30° to +80°C

# CABLE FORCES

<b>Measurement range in mm</b>	3000
<b>Min. pull-out force</b>	≈ 13,50 N
<b>Max. pull-out force</b>	≈ 18,00 N

# DIMENSIONS

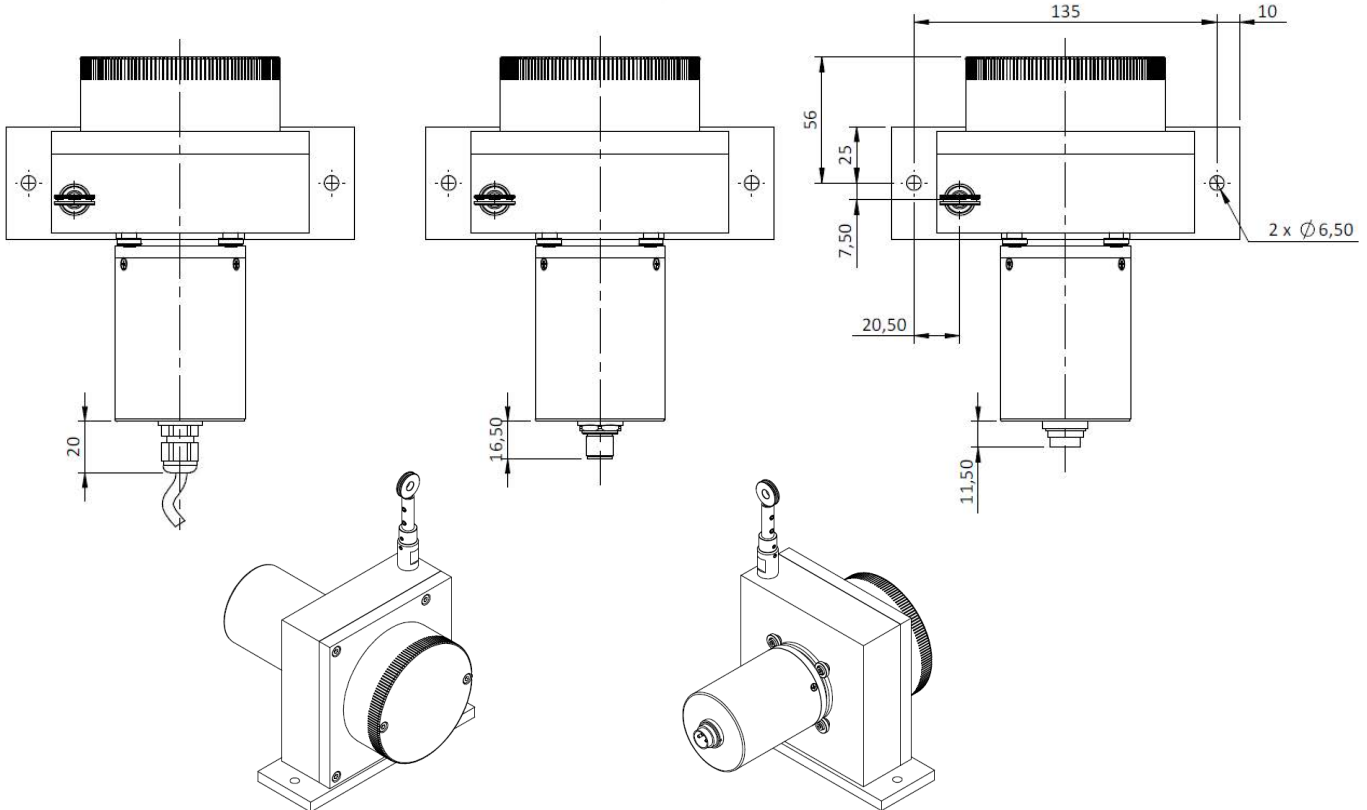
All dimensions are in mm

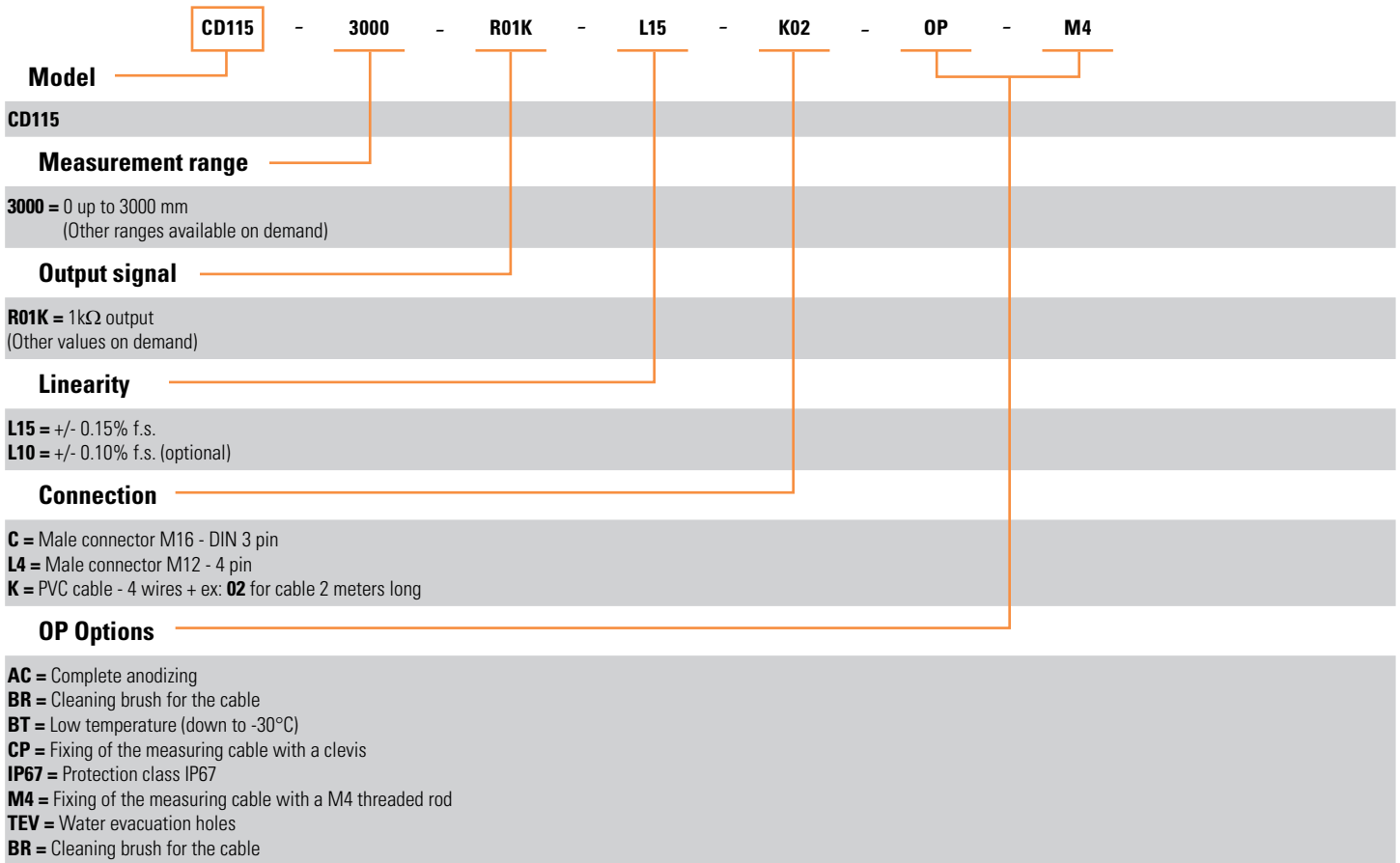


K connection  
(PVC cable - 4 wires)

L4 connection  
(connector M12 - 4 pin)

C connection  
(Connector M16 - DIN 3 pin)





AGENCY APPROVALS & CERTIFICATES



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