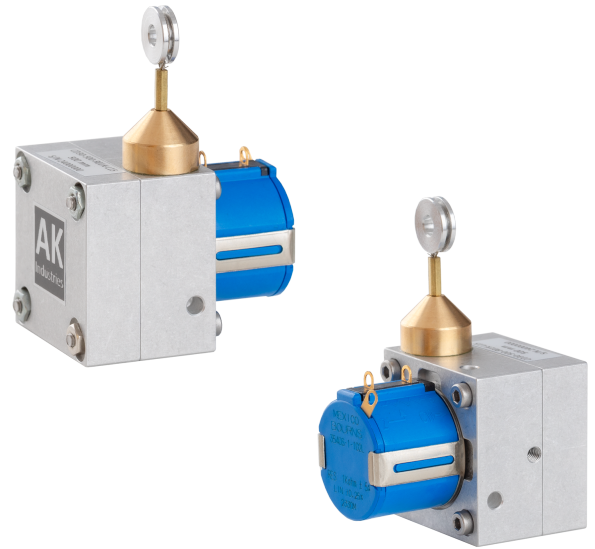


CD35 - COMPACT DRAW WIRE SENSOR – POTENTIOMETRIC OUTPUT MEASUREMENT RANGE UP TO 750 MM

SPECIFICATIONS

Measurement range	750 mm
Output signal	Potentiometer 1k Ω / 10k Ω
Resolution	Infinite (depends on the operating system)
Material	Body – Aluminum (RohS) Measuring cable – Stainless steel 316L
Cable diameter	0,45 mm
Detection element	Precision potentiometer
Connection	Solder terminals (potentiometer)
Linearity	up to +/-0.15% f.s
Protection class	IP50
Max. Velocity	10 m/s
Max. Acceleration	40 m/s ² (before cable deformation)
Weight	≈ 90 g
Operating temperature	-20° to +80°C
Storage temperature	-30° to +80°C



CABLE FORCES

Measurement range in mm	Min. pull-out force	Max. pull out force
750	≈ 2,00 N	≈ 2,80 N

ORDERING REFERENCE

CD35 - 0750 - R01K - L15 - 02

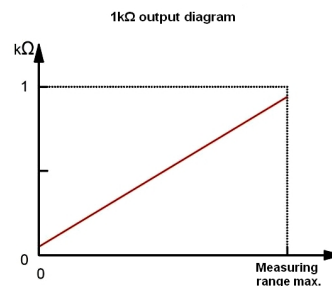
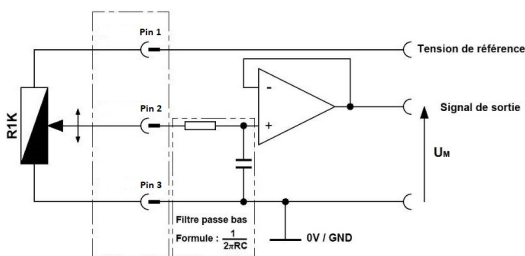
Model	CD35
Measurement range	750 = 750 mm
Output signal	R01K = 1k Ω output R10K = 10k Ω output <i>Other potentiometric values available on demand</i>
Linearity	L25 = +/- 0.25% f.s. L15 = +/- 0.15% f.s.
Fixing system	01 = Fixing by M2.5 side threads 02 = Fixing by flanges 03 = Fixing on long nuts 04 = Fixing by bracket

ELECTRICAL CHARACTERISTICS

Potentiometric version 1 k Ω (other values available on demand)

Excitation voltage 32Vdc max. at 1k Ω
Temperature drift +/-50 ppm/°C

Example of wiring diagram with input stage:

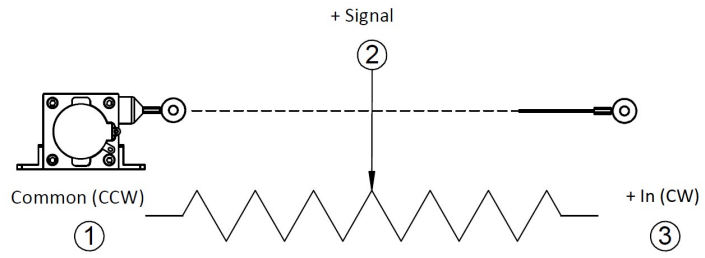
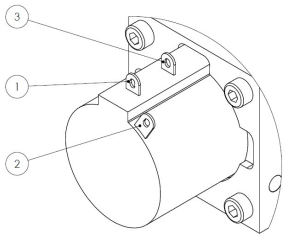


To guarantee good linearity, the potentiometer must be wired as a voltage divider and never as a rheostat. The input resistance of the operating system must be greater than 10M Ω .



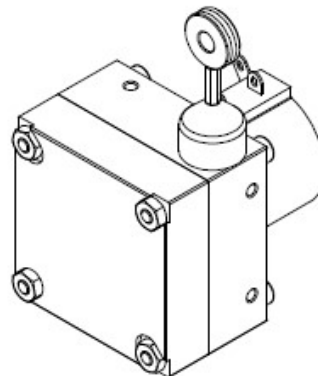
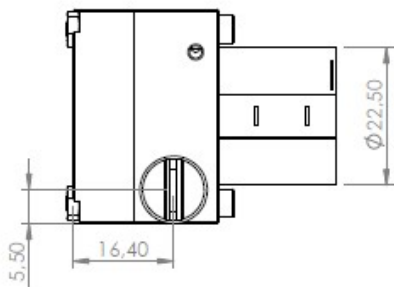
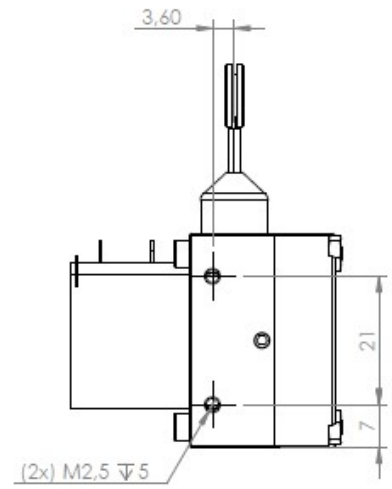
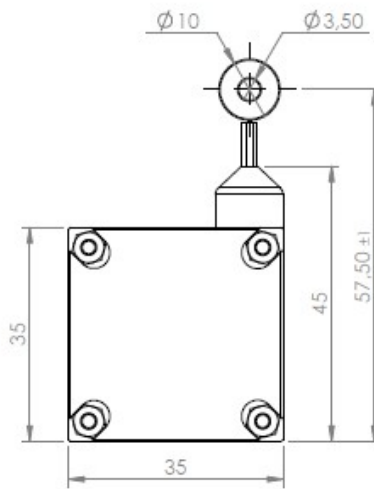
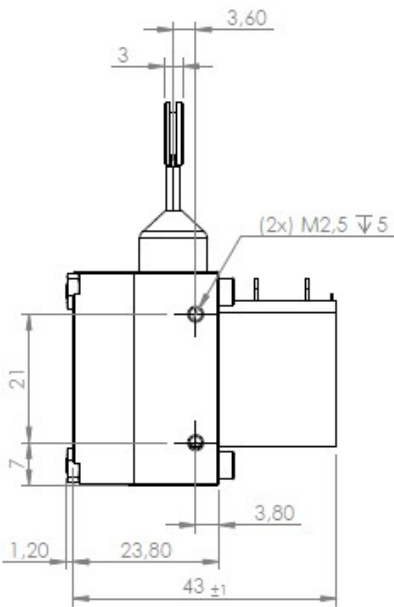
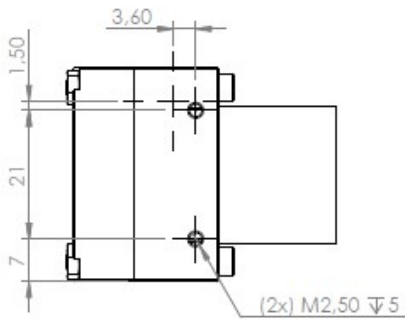
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CONNECTION



DIMENSIONAL DRAWING

Fixing by M2.5 side threads (order code 01)



Fixing by bracket (order code 04)

