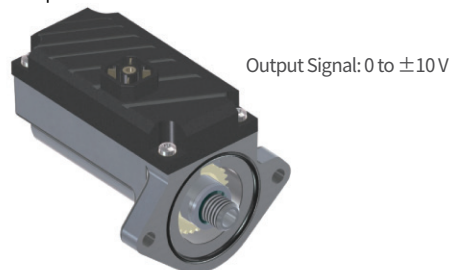


5 LVDT Position Sensor

Pressure-Rated Displacement Sensor

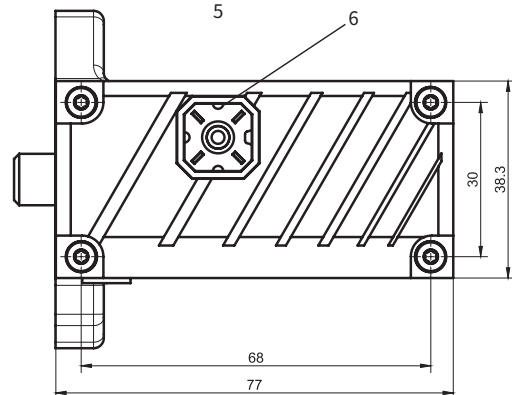
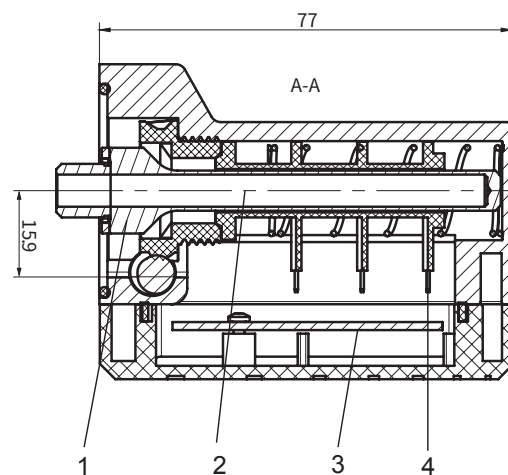
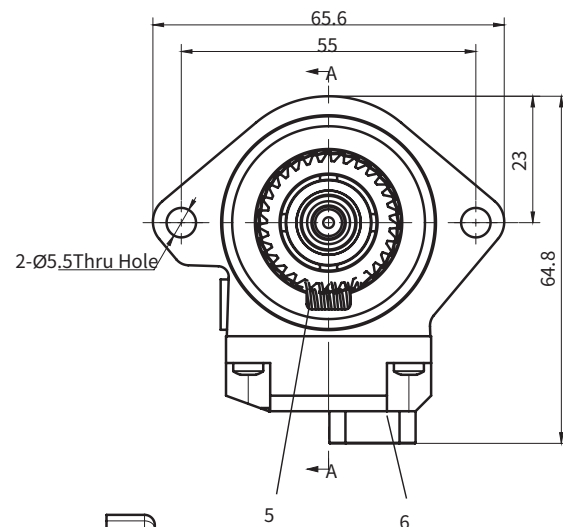
It operates on the principle of a differential transformer, whereby a sensing alloy core moves inside a pressure-resistant sleeve enclosed by coils. The pressure-resistant sleeve can withstand pressures of up to 315 bar and enables non-contact position measurement of the section surrounded by the pressure medium.



Product Model

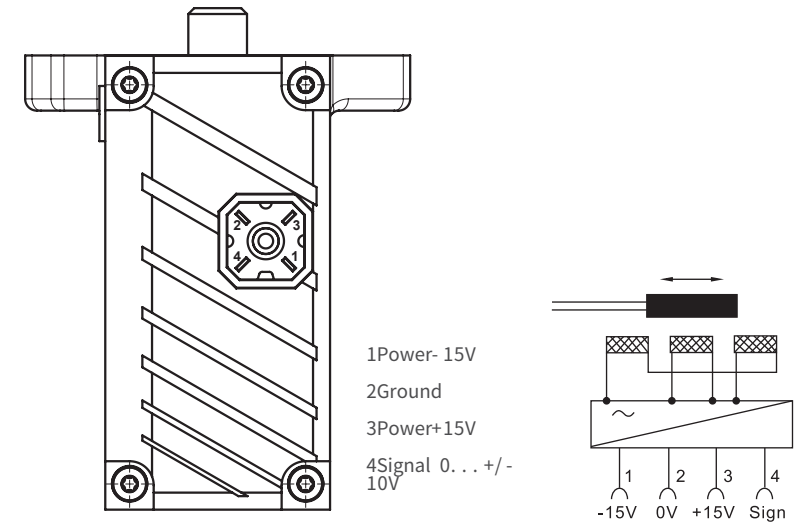
Part Number	Stroke
1 K500 001	+/- 4mm
1 K500 002	+/- 5mm
1 K500 003	+/- 7mm
1 K500 004	+/- 10mm

Product Size (Unit: mm)

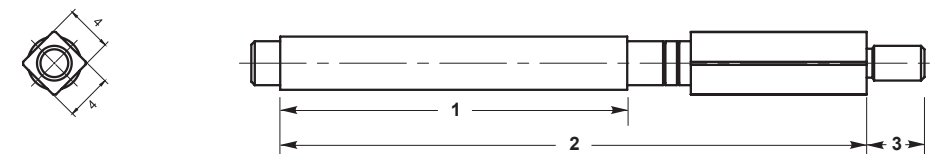


- 1 Pressure-Resistant Sleeve 4 Differential Sensor
- 2 Sensing Alloy Core Rod 5 Zero-Point Adjustment (Max. Torque 0.35 Nm)
- 3 Electronic Amplifier Board 6 Electrical Connector (Plug supplied separately)

Wiring Instructions



Information on the Sensing Alloy Core Rod and Feedback Link



Part Number	Stroke	1	2	3
1 K500 001	+/- 4mm	30mm	50.7mm	5mm
1 K500 002	+/- 5mm	30mm	50.7mm	5mm
1 K500 003	+/- 7mm	32mm	52mm	5mm
1 K500 004	+/- 10mm	34mm	52.7mm	5mm

Performance Parameters

Part Number	1 K500 001	1 K500 002	1 K500 003	1 K500 004
Effective Stroke	+/-4mm	+/-5mm	+/-7mm	+/-10mm
Power Supply Voltage	+15V/30mA -15V/20mA (Allowable Variation +/-50mV)			
Output Signal	0...+/-10V , Variation <50mV			
Internal Resistance	Terminal 2-4: $R_L \geq 10k\Omega$			
Linearity %	=2%			
Max Op.Temp.Range	-10°C ... +80°C			
Ambient Temp.	-30°C ... +90°C			
Internal Carrier Frequency	7kHz			
IP Rating (Connector)	IP 65			
Withstand Voltage Rating	315 bar			