

ElastiSense

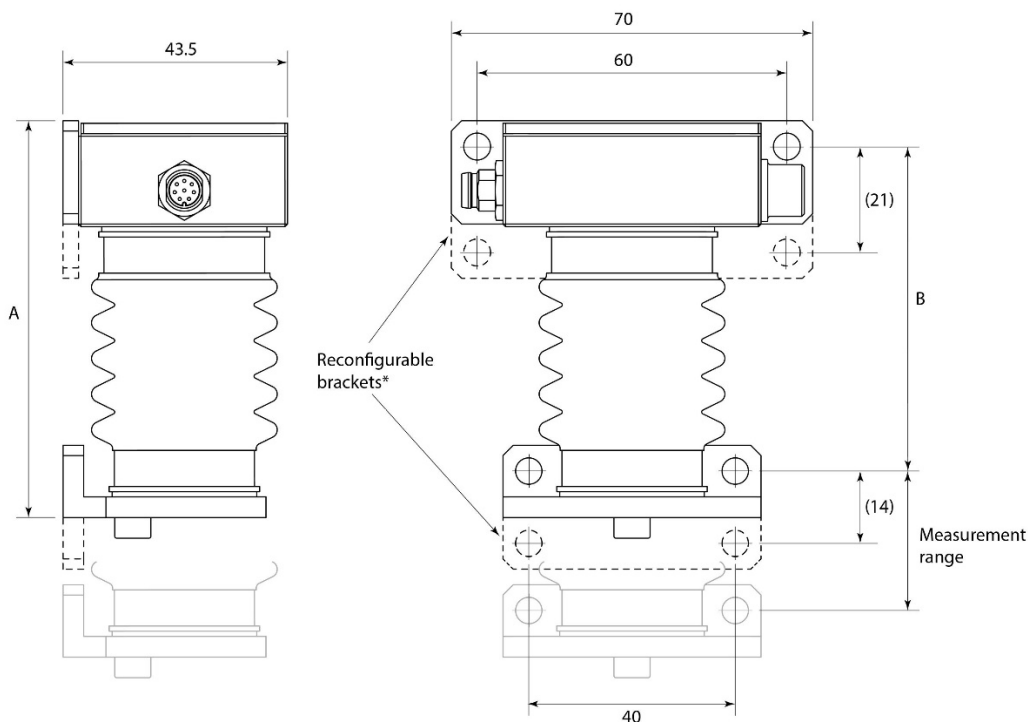
Datasheet – EDS Series - Displacement Sensors



The flexible nature of the sensors enables linear and off-axis displacements measurements in all three directions.

Our displacement sensor may either be used as a standalone unit or as a part of a system together with other daisy chained sensors. In standalone mode the sensor requires 24VDC supply and outputs an analogue current in the range of 4-20mA. The output signal is linearly proportional to the displacement such that 4mA corresponds to 0mm and 20mA represents the maximum displacement of the sensor.

Contact us for more information.



Model	EDS20	EDS50	EDS100
Measurement range (mm)	20	50	100
Power supply	24V DC		
Analogue output	4 – 20mA (1 – 5V or 2 – 10V on request)		
Digital output	Integer value in nm transmitted on full duplex RS485 network		
Absolute accuracy	0.1% Full Scale		
Temperature Coefficient	< 0.01 % FS / °C		
Power consumption	< 100mA		
Update rate	Up to 10k samples/second		
Operating temperature	-20°C to 80°C (Other ranges on request)		
Operating humidity	5%RH to 80%RH		
Ingress protection	IP66 (at prescribed orientation)		
Dimension A (mm)	77	116	185
Dimension B (mm)	63	102	171