

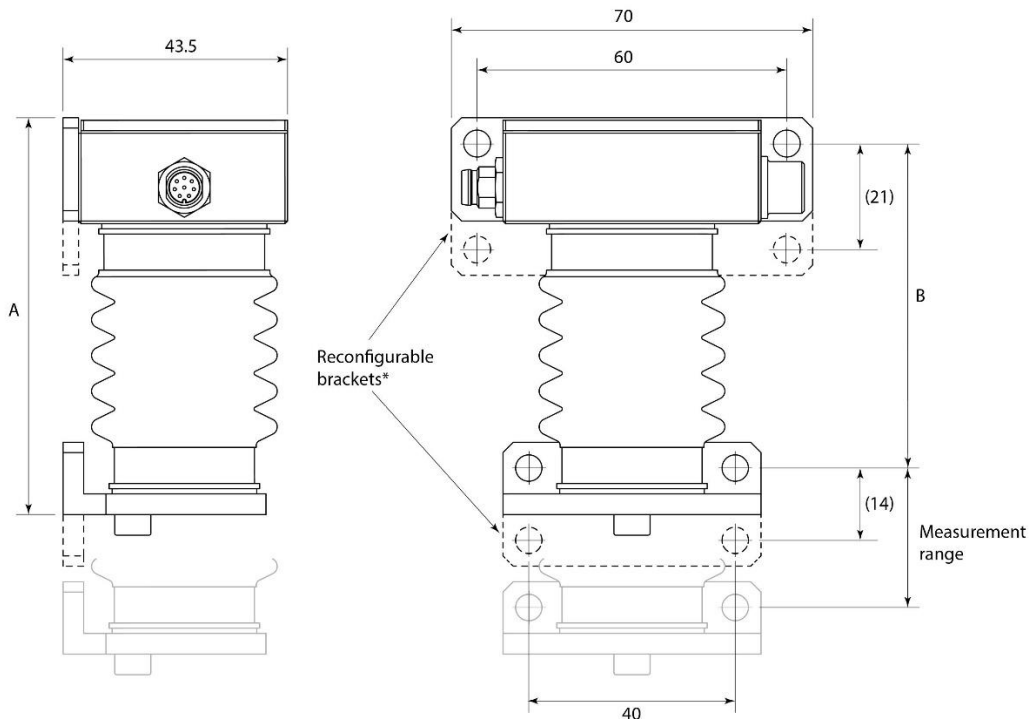
# ElastiSense

## Datasheet – EDS Series - Displacement Sensors



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.

The flexible nature of the sensors enables off-axis displacements measurements in all three directions. Contact us for more information.



Model	EDS20	EDS50	EDS100	EDS200
Measurement range (mm)	20	50	100	200
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	IP63 (Higher available on request)			
Dimension A (mm)	77	116	185	315
Dimension B (mm)	63	102	171	301