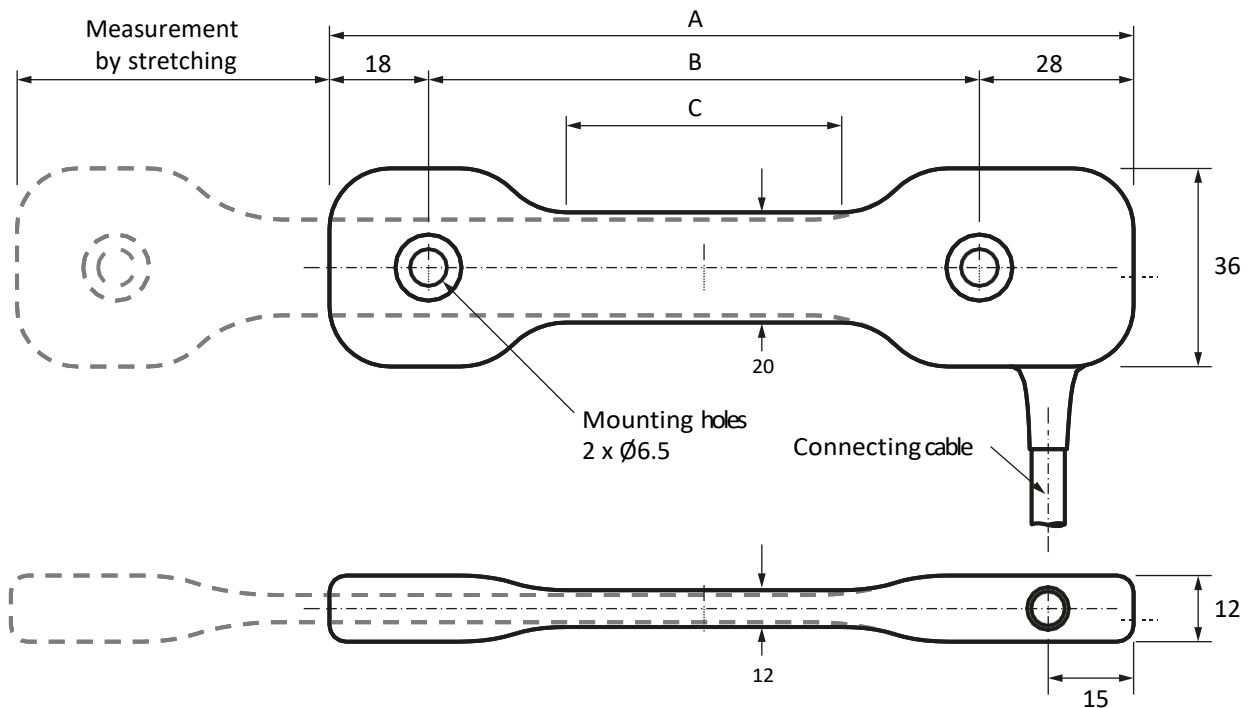


## ElastiSense



The LTDS series is a robust and resilient displacement sensor with high accuracy and resolution. Unlike many other displacement sensors, the LTDS requires no special mounting surfaces or brackets and is highly tolerant of mounting misalignments and unpredictable mechanical conditions during use. The transducer element is made only from elastomers and operates by being stretched. The output is largely independent of mechanical frequency, working from static up to several meters per second. The tension in the stretchable element is repeatable over the operating range of the device.



### Specifications

Model	LTDS50	LTDS100
Measurement range	50mm	100mm
Input	24VDC	
Output*	4 – 20mA	
Absolute accuracy	0.1% F.S.	
Resolution	0.01%	
Sampling rate	1000 S/sec	
Force at maximum displacement	140N	
Operating temperature	-30 to 80°C	
Weight (not including cable)	52g	60g
Protection ratings	Equivalent to IP68	
Colour	Charcoal, yellow, olive, white	

### Dimensions

Model	LTDS50	LTDS100
A	146	196
B	100	150
C	50	100

### Notes:

Cable type: Ø6, 5 Core shielded

\*Digital output is optional

All specifications can be customised, please contact us for more details.