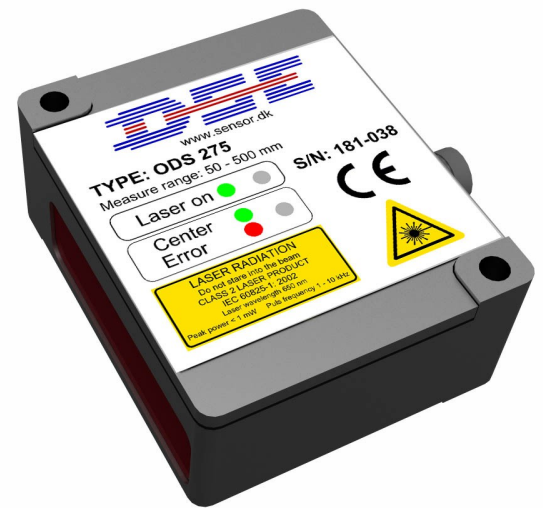


ODS 275

Optical Displacement Sensor using advanced laser technique, a line scan camera and digital signal processing algorithms.



Specifications

Measurement data

Measuring range	50 --- 500 mm
Centre distance	275 mm
Resolution	0.02 --- 0.3 mm
Linearity	0.2 --- 0.7 mm
Reproducibility	± Resolution
Updating frequency	1000 Hz
Temperature deviation app.	± 0.03% of FS/°C
Light source	visible laser (655 nm)
Size of light spot	app. Ø 2 mm
Laser protection class	IEC 2

Output data

Digital output as RS232 and analog as 0-10V

Environment data

Operating temperature	0 - +50 °C
Storage temperature	-20 - +70 °C
Humidity (non condensing)	Max 90 % RH
Degree of protection	IEC IP65

Physical data

Dimensions WxHxD	48x40x19.5 mm
Weight exc. Cable	55 g
"Connector" cable	1.5 m Fixed
Housing	aluminium/glass

Electrical data

Supply voltage	15-36VDC
Power consumption, max	1.2 W

Specifications subject to change without notice

Dimensions

