

# ODS 1100

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



## Specifications

### Measurement data

Measuring range	1000 - 1200 mm
Centre distance	1100 mm
Resolution	0.05 mm
Linearity	$\pm 0.05$ % of FS
Reproducibility	$\pm$ Resolution
Updating frequency	1000/500 Hz
Temperature deviation	app. $\pm 0.03$ % of FS/ $^{\circ}$ C
Light source	visible laser (670nm)
Size of light spot	app. $\varnothing$ 2 mm
Laser protection class	IEC 2

### Environment data

Operating temperature	0 - +45 $^{\circ}$ C
Storage temperature	-20 - +70 $^{\circ}$ C
Humidity (non condensing)	Max 90 % RH
Degree of protection	IEC IP64

### Physical data

Dimensions WxHxD	230x70x200 mm
Weight exc. Cable	3.6 kg
Cable length	2.5 m
Housing	Steel/aluminium/glass

### Output data

Current output	4-20 mA
Digital output	RS232C
Baud rate	38400
Option: Voltage output	1-9 VDC

### Electrical data

Supply voltage	24 VDC $\pm 10$ %
Power consumption, max	4.5 W

Specifications subject to change without notice

## Dimensions

