

ODS 1950

Select, 2-Select & HT Model

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



Specifications

Measurement data

Measuring range	1500 - 2400 mm
Centre distance	1950 mm
Resolution	0,2 mm
Linearity	± 0.05 % of Full Scale
Reproducibility	\pm Resolution
Updating frequency	1000/500 Hz or 2/1 kHz
Temperature deviation	app. ± 0.03 % of FS/°C
Light source	visible laser (670nm)
Size of light spot	app. \varnothing 5 mm
Laser protection class	IEC 2

Environment data

Operating temperature	0 - +45 °C
Storage temperature	-20 - +70 °C
Humidity (non condensing)	Max 90 % RH
Degree of protection	IEC IP64

Physical data

Dimensions WxHxD	230*70*200 mm
Weight exc. Cable	3,6 kg
Cable length	2.5 m
Housing	Steel / Aluminium

Output data

Voltage output	(1-9 VDC)
Current output	4-20 mA
Digital output	RS232C or RS422/485
Baud rate	38400 or 115200

Electrical data

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

Specifications subject to change without notice

Dimensions

