

OADM LASER DISTANCE SENSOR

The **OADM** laser distance sensor has been designed for applications requiring continuous and very precise distance information. The laser sensor accurately measures the distance to a target based on the triangulation principle. Microprocessor technology has been incorporated for further optimising the 4 - 20 mA current output signal. The sensor features a wide measuring range and excellent resolution.

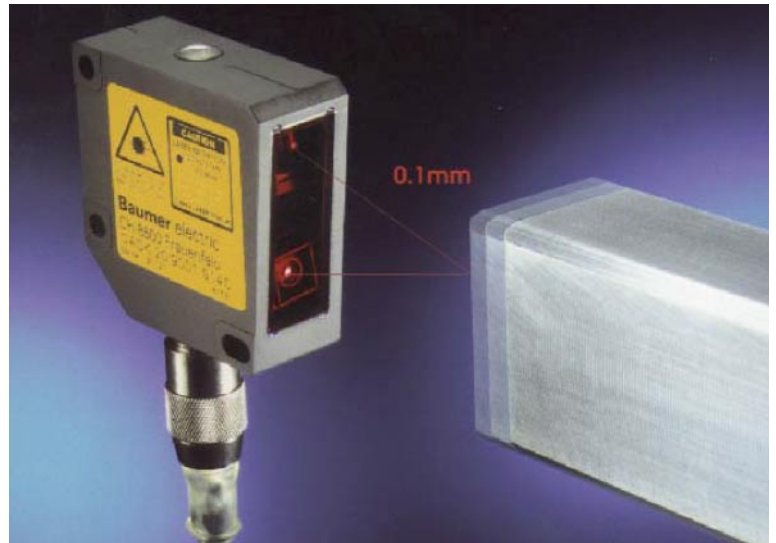
Response time is < 10 ms.

Should environmental conditions deteriorate, an auxiliary output provides a warning signal well before the device fails to operate. The sensor's compact 50x65x20 mm size metal enclosure is equipped with a turret style quick disconnect connector.

Laser distance sensor Type OADM

Laser distance sensor with linear photoelectric array

- Accurate distance measuring against differing surfaces.
- Excellent linearity of output signal due to advanced microprocessor technology
- Available with a widened laser line. This enables averaging of received signal when target surfaces are rough
- Soiling indicator as well as alarm output assure reliable data



Available in

30 - 50mm	0.01mm resolution	< 10ms
30 - 130mm	0.06mm resolution	< 10ms
50 - 250mm	0.30mm resolution	< 10ms
100 - 500mm	0.50mm resolution	< 10ms
200 - 1000	3mm resolution	< 12ms

And high speed

50 - 90mm	0.1mm resolution	< 1ms
70 - 150mm	0.4mm resolution	< 1ms

All with 4-20mA and Alarm output.

Specification

Voltage	1 2-28 VDC
Alarm output	PNP
Analog output	4 - 20 mA
Max. switching current	100 mA
Laser Class	2
Short circuit protection	Yes
Reverse polarity protection	Yes
Housing size	50x65x20 mm
Housing material	Zinc diecast
Protection class	IP67
Temp range	0 - 50 degC