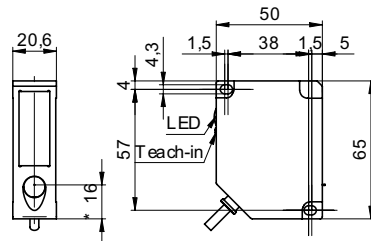


Distance sensors

OADM 20 (Laser, outdoor applications, < 600 mm)

sample drawing



* emitter axis

general data

adjustment	Teach-in: button / external
power on indication	LED green
soiled lens indicator	LED red / LED red blinking
light source	pulsed red laser diode
wave length	650 nm
laser class	2
beam type	line
beam width	2 mm

measuring distance Sd = 50 ... 300 mm

Teach-in range min.	> 5 mm
resolution	0,01 ... 0,4 mm
linearity error	$\pm 0,05 \dots \pm 1,2$ mm
beam height	3 ... 7 mm

measuring distance Sd = 100 ... 600 mm

Teach-in range min.	> 10 mm
resolution	0,015 ... 0,8 mm
linearity error	$\pm 0,05 \dots \pm 2,4$ mm
beam height	7 ... 17 mm

electrical data

response time / release time	< 2,5 ms
voltage supply range +Vs	12 ... 28 VDC
current consumption max.	100 mA
output circuit	analog
output signal	4 ... 20 mA / 0 ... 10 VDC
load resistance (analog I)	$< (+Vs - 6 V) / 0,02$ A
load resistance (analog U)	> 100 kOhm
output current	< 100 mA
alarm output	PNP
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

sample picture



Distance sensors

OADM 20 (Laser, outdoor applications, < 600 mm)

mechanical data	
width / diameter	20,6 mm
height / length	65 mm
depth	50 mm
type	rectangular
housing material	die-cast zinc
front (optics)	glass
connection types	cable 8 pin, 2 m

ambient conditions	
ambient light immunity	100 kLux
operating temperature	-20 ... +60 °C
protection class	IP 67

order reference	measuring distance Sd
OADM 20I6591	50 ... 300 mm
OADM 20I6592	100 ... 600 mm