




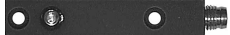


Sensor heads

**Transmitter OS...
Receiver OE...**

- Extremely dirt-resistant
- High penetration
- High protection class
- Small design
- High switching accuracy
- Easy adjustment

Type	Model	Connection	Case
Transmitter	OS 106 001	5 m cable	Picture 1 
	OS 106 003	15 m cable	
Receiver	OE 106 001	5 m cable	
	OE 106 003	15 m cable	
Transmitter	OS 126 001	5 m cable	Picture 2 
	OS 126 003	15 m cable	
	OS 991 096 ¹⁾	15 m cable	
Receiver	OE 126 001	5 m cable	
	OE 126 003	15 m cable	
Transmitter	OS 126 020	plug M12	Picture 3 
	OS 991 221 ²⁾	plug M12	
Receiver	OE 126 020	plug M12	
Transmitter	OS 136 070	plug M8	Picture 4 
Receiver	OE 136 070	plug M8	

1) Transmitter OS 991 096 with more transmit power.

2) Transmitter OS 991 221 with more transmit power and stainless steel housing

Description

The sensor heads from **ipf** can be used only with the photo-electric amplifier OV... .

The transmitter and receiver are in highly compact designs and can be installed with any application. They are filled with resin and have the high protection class of IP 67. Because of that they can be used in

areas with extrem dust and moisture contamination. Thanks to their large field of view, they can be easily aligned even at distances of 35 m. Simultaneously they are insensitive to shock and vibration and from it resultant deadjusting.

The transmitter is available in two transmit power types.

Technical Data

Transmitter	OS 106 ... OS 126 ...	OS 991 ...
Transmit light	Infrared 880 nm	Infrared 870 nm
Transmit power I _F = 100 mA	40 mW / sr	70 mW /sr
Transmit angle	12 °	25 °
Protection class	IP 67	
Housing material:		
OS 106 ...	PC 2405	
OS 126 ...	Nickel plated brass	
OS 991 096	Nickel plated brass	
OS 991 221	Stainless steel 1.4305	
OS 136 070	Aluminium	
Connection cable:	Ø 4,8 mm ± 0,2	
Material	PVC black	
Core	2 x 1,3 mm	
Vibration	10...55 Hz, 1,5 mm	
Shock	30 g	
Ambiant temperature	-25 °C ... +60 °C	
Storage temperature	-40 °C ... +80 °C	

Receiver	
Light immunity	60000 LUX
Opening angle	25 °
Protection class	IP 67
Housing material:	
OE 106 ...	PC 2405
OE 126 ...	Nickel plated brass
OE 136 070	Aluminium
Connection cable:	Ø 4,8 mm ± 0,2
Material	PVC black
Core	1 x 1,5 mm with shield
Vibration	10...55 Hz, 1,5 mm
Shock	30 g
Ambiant temperature	-25 °C ... +60 °C
Storage temperature	-40 °C ... +80 °C



Safety Instructions

The operation of this infrared sensor heads is not authorized for applications, where the safety of person depends on the device function.

