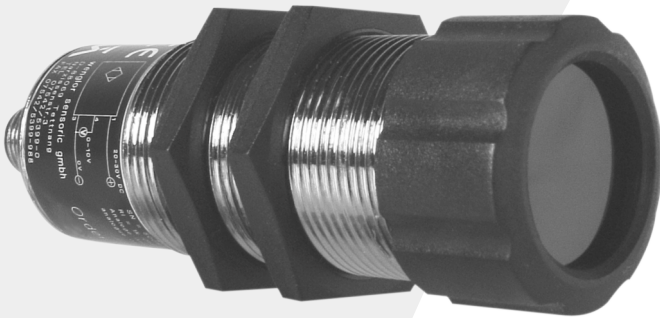


Analog Reflex Sensor



UF55MG3

Part Number

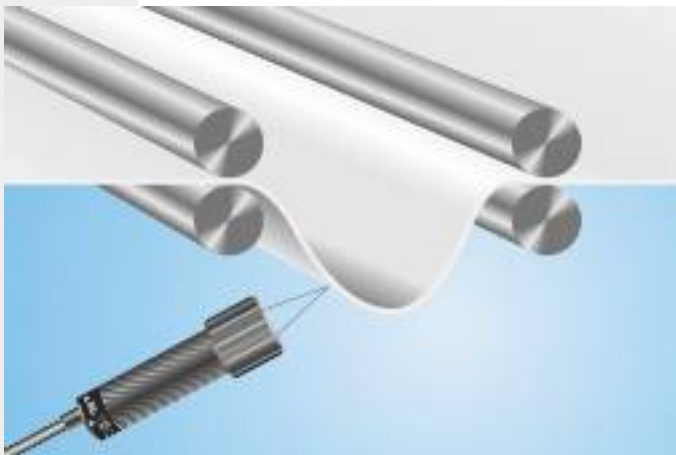


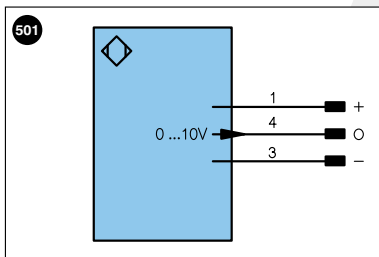
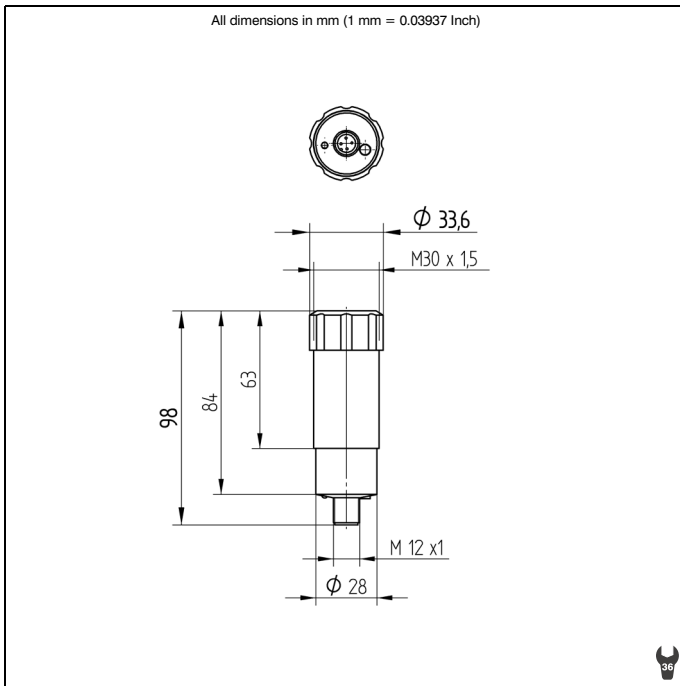
- Adaptable for Glass Fiber Optic Cable
- Analog Output: 0...10 V DC
- Linear Output Signal Proportional to Distance
- Usable with or without Glass Fiber Optic Cable

Technical Data

Optical Data	
Measuring Range	50...500 mm
Resolution	10 mm
Linearity	5 %
Light Source	Infrared Light
Wave Length	880 nm
Service Life (T = +25°C)	100000 h
max. Ambient Light	10000 Lux
Opening Angle	12 °
Electrical Data	
Supply Voltage	20...30 V DC
Current Consumption (U _b = 24V)	< 40 mA
Switching Frequency	50 Hz
Response Time	10 ms
Temperature Drift	1 mm/K
Temperature Range	-10...60 °C
Analog Output	0...10 V DC
Output Resistance Analog Output	1 kOhm
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Mechanical Data	
Adjustment	Potentiometer
Housing	CuZn, nickel-plated
Full Encapsulation	yes
Degree of Protection	IP65
Connection	M12 x 1
Analog Output	●
Connection Diagram No.	501
Control Panel No.	F 7
Suiting Connection Technology No.	21
Suiting Mounting Technology No.	130
Suitable Fiber Optic Cable Adapter	1

This sensor is suitable for applications which require analog measurement of the distance between the sensor and the object. The sensor is capable of direct or scanning mode operation. Bright objects reflect transmitted light better than dark objects. Output voltage is dependent upon the brightness of the object to be measured.





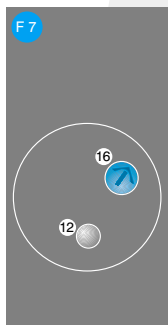
Legend			
+	Supply Voltage +	U	Test Input
-	Supply Voltage 0V	Ū	Test Input inverted
~	Supply Voltage (AC Voltage)	W	Trigger Input
A	Switching Output (1,2,3...)/NO	O	Analog Output
Ā	Switching Output (1,2,3...)/NC	O-	Ground for the Analog Output
V	Contamination/Error Output (NO)	BZ	Block Discharge
V̄	Contamination/Error Output (NC)	Awv	Valve Output
E	Input (analog or digital)	a	Valve Control Output +
T	Teach Input	b	Valve Control Output 0V
Z	Time Delay (activation)	SY	Synchronization
S	Shielding	E+	Receiver-Line
RxD	RS-232 Receive Path	S+	Emitter-Line
TxD	RS-232 Send Path	±	Grounding
RDY	Ready	SnR	Switching Distance Reduction
GND	Ground	USB+	USB data +
CL	Clock	USB-	USB data -
E/A	Output/Input programmable	Bus	Interfaces-Bus A(+)/B(-)
	IO-Link	La	Emitted Light disengageable

Wire Colors according to DIN IEC 757	
BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GNYE	Green Yellow

Complimentary Products

Glass Fiber Optic Cable

Ctrl.Panel



12 = Analog Output Indicator
16 = Working Distance Adjustment