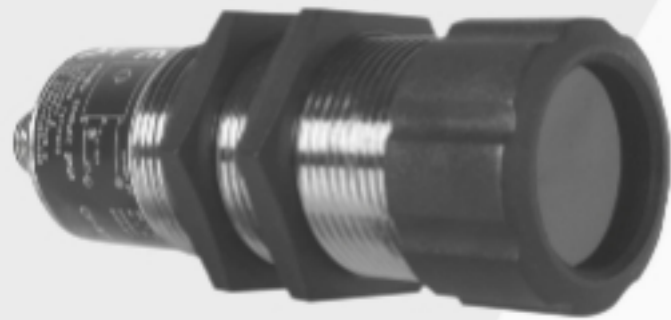


UF55MG3

Part Number

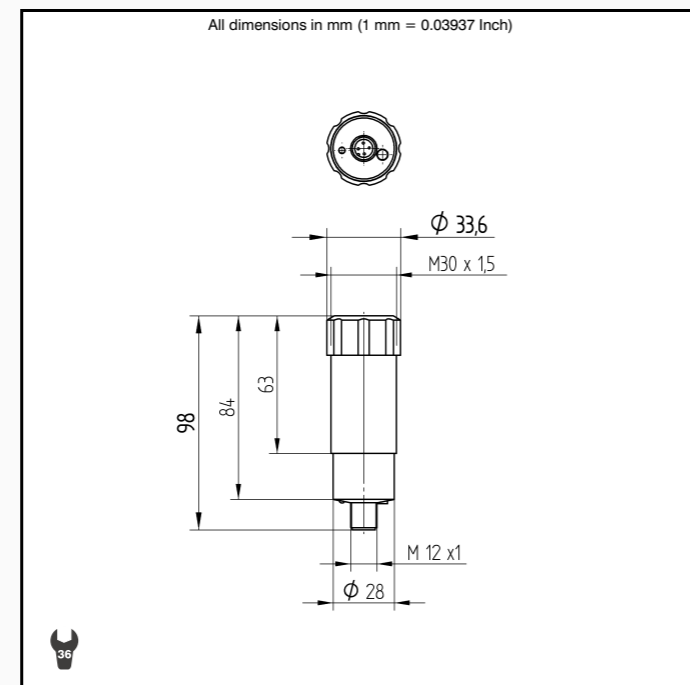
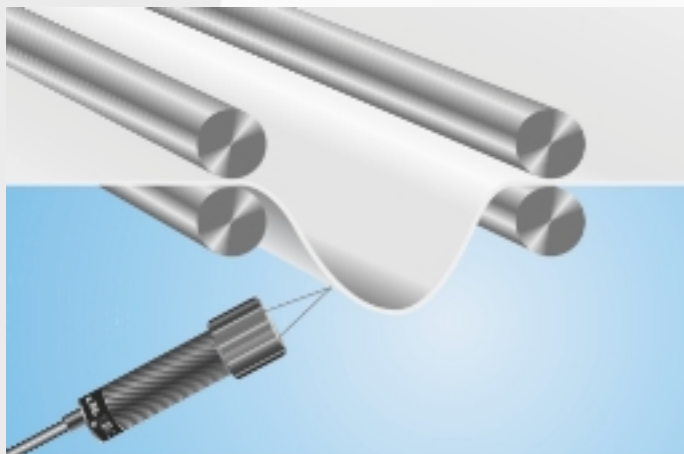


Technical Data

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/°C
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	BrasNicPlated
Full Encapsulation	yes
Protection Mode	IP 65
Connection	M 12x1

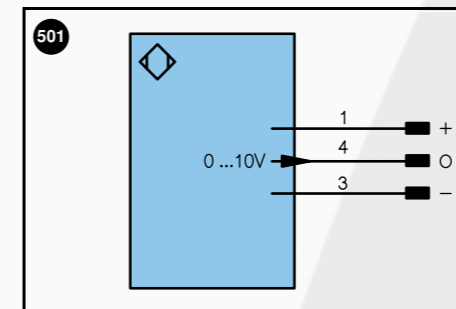
- Adaptable for Glass Fiber Optic Cabel
- Analog Output: 0...10 V DC
- Linear Output Signal Proportional to Distance
- Usable with or without Glass Fiber Optic Cabel

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.



Specifications are subject to change without notice
06/03

Part Number	Plug Version
UF55MG3	
Analog Output	●
Connection Diagram No.	501
Control Panel No.	F 7
Suitable Fiber Optic Cabel Adapter	1
Suitable Plug No.	21



Legend		Wire colors according to DIN IEC 757
+	Power supply "+"	BK black
-	Power supply "0V"	BN brown
~	Power supply (AC Voltage)	RD red
A	Switching output (1,2,3...)/ NO	OG orange
A	Switching output (1,2,3...)/ NC	YE yellow
V	Contamination / Error output (NO)	GN green
V	Contamination / Error output (NC)	BU blue
E	Input (analog or digital)	VT violet
T	Teach input	GY grey
Z	Time delay (activation)	WH white
S	Shielding	PK pink
RxD	RS-232 receive path	GNYE green yellow
TxD	RS-232 send path	
U	Test input	
W	Trigger input	
O	Analog output (1,2,3,...)	
O-	Ground for the analog output	
BZ	Block discharge	
Aw	Valve output	
a	Valve control output "+"	
b	Valve control output "0V"	
SY	Synchronization	
E+	Receiver-Line	
S+	Emitter-Line	
⊕	Grounding	

Accessories

- Mounting Bracket W30
- Glass Fiber Optic Cable

Ctrl. Panel



12 = Analog Output Indicator
16 = Working Distance Adjustment