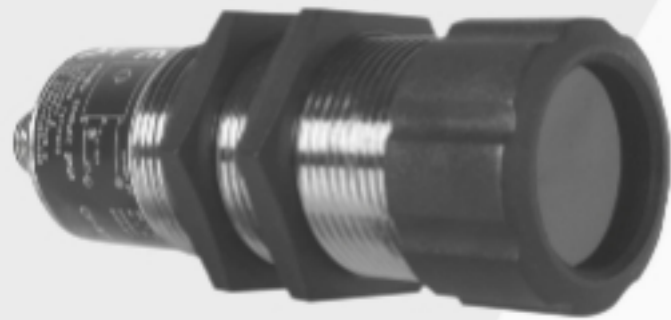


## UF66MG3

Part Number

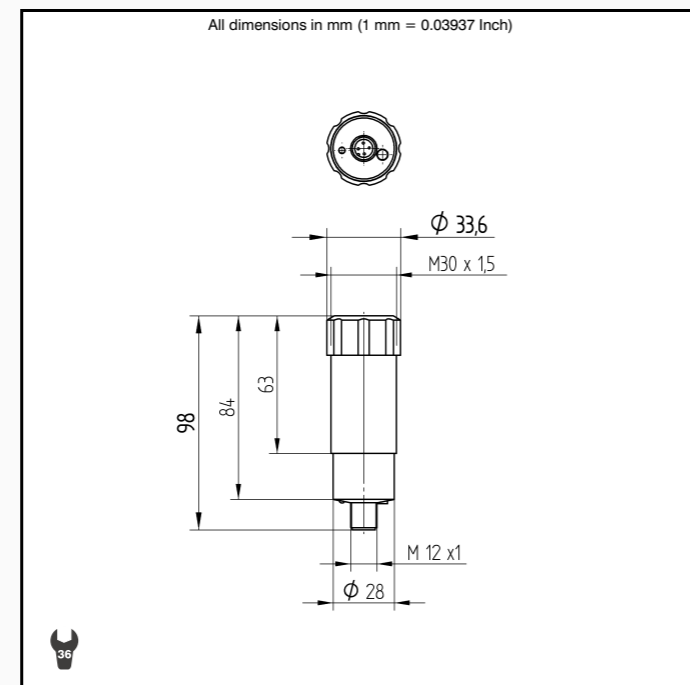
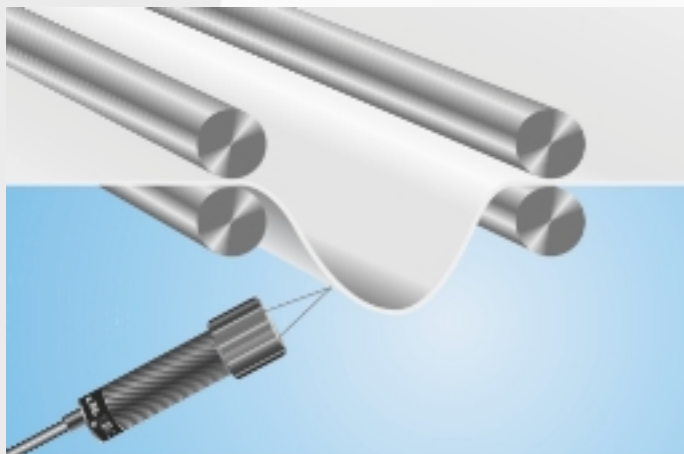


### Technical Data

Optical Data	
Measuring Range	100...1000 mm
Resolution	20 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 <sub>b</sub> = 24V)	< 40 mA
Switching Frequency	30 Hz
Response Time	15 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

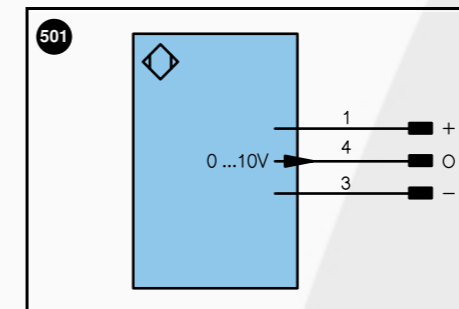
- Adaptable for Glass Fiber Optic Cabel
- Analog Output: 0...10 V DC
- Linear Output Signal Proportional to Distance
- Usable with or without Glass Fiber Optic Cabel

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
UF66MG3	
Analog Output	●
Connection Diagram No.	501
Control Panel No.	F 7
Suitable Fiber Optic Cabel Adapter	1
Suitable Plug No.	21



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

### Accessories

- Mounting Bracket W30
- Glass Fiber Optic Cable

### Ctrl. Panel



- 12 = Analog Output Indicator
- 16 = Working Distance Adjustment