

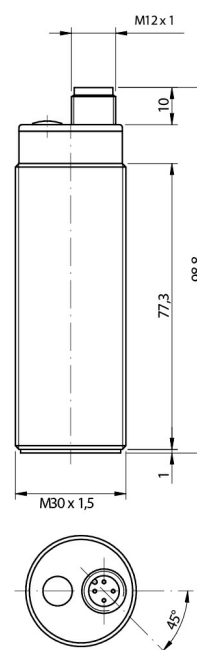
UT1B/GW-1ESY

cylindrical ultrasonic



Micro Detectors

Italian Sensors Technology



Detection properties

Nominal sensing distance	3500mm
Thermal drift of Sr	±5%
Repeat Accuracy	0,1%valore fondoscala
Beam angle	12° ± 2°
Resolution	0,1%valore fondoscala
Sensitivity adjustment	Teach-in button
Hysteresis	1% valore fondoscala
thermal compensation	Sì
Minimum sensing distance (blind zone)	250mm
Linearity error	1% valore fondoscala

Application

Function Principle Diffuse reflection

Outputs

Output type	2x PNP
Output Function	NO/NC multifunctions
Switching frequency	1Hz

Response time	1s
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Electrical data

Operating Voltage	10 - 30Vdc
No-Load supply current	25mA
Load current	100mA
Leakage current	≤ 10μA @ 30Vdc
Output voltage drop	2,2V max @ IL=100mA
Max ripple content	5%
LED indicators	Verde: Eco - Giallo: Uscita
Time delay before availability	≤400ms
Short-circuit protection	Sì
Reverse Polarity Protection	Sì
Impulsive Overvoltage Protection	Sì

Mechanical data

Dimensions	M30 x 1,5 / L = 98mm
Weight	215g
Housing Material	AISI316L
Connections	M12 Plug
Tightening torque	100Nm
Operating temperature	-20°C...+70°C
Storage temperature	-30°C...+80°C
Transducer Frequency	112KHz
Diameter/Dimension	M30

Test/Approvals

Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	IEC EN 60947-5-2 / 7.4
Degree of protection	IP67

Accessories

Supplied Accessories	2 x M30x1,5 dadi
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