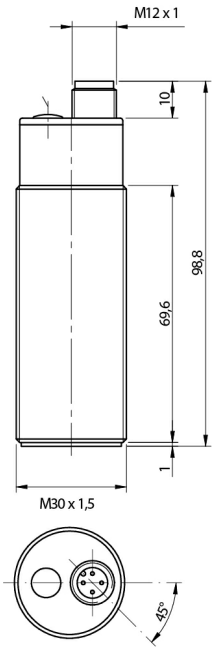
UT1B/G6-0ESY

UT



M30 CYLINDRICAL DIRECT DIFFUSE & RETRO-REFLECTIVE ULTRASONIC SENSOR WITH TEACH-IN BUTTON

- M30 ultrasonic sensor with standard housing and with large front with high performances and high sensing distances
- Adjustable hysteresis function: models with double digital programmable output specific for level detection
- Models with voltage or current output: programmable slope to optimize resolution
- Adjustable working area (window mode or object mode) by Teach-in button on all models for a quick and easy installation
- Two multifunction LEDs: orange LED for adjustment procedure and output type and green LED for target alignment
- Plastic and AISI 316L stainless steel housing, plug M12 or cable exit 4 pin



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	Si
Minimum sensing distance (blind zone)	250mm
Linearity error	1% valore fondoscala

Application

Function Principle	Diffuse reflection

Outputs

Output type	PNP + 4...20mA
Output Function	NO/NC + positive/negative slope
Switching frequency	1Hz
Response time	1s

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	Si
Reverse Polarity Protection	Si
Impulsive Overvoltage Protection	Si

Mechanical data

Dimensions	M30 x 1,5 / L = 98mm
Weight	140g
Housing Material	PBT
Connections	M12 Plug
Tightening torque	1,5Nm
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, 2 rosette Ø 30

Generical Data

Dimensions	M30 x 1,5 / L = 98mm
Operating Temperature	-20°C...+70°C
Mechanical Protection	IP67

Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail info@datasensing.com

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