



UT

UT1B/H7-1EUL

Ultra.M30,PNP+0-10V,M12 plug,Diffuse

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

OVERVIEW

- 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

TECHNICAL FEATURES

Detection properties

Nominal sensing distance

Thermal drift of Sr

Repeat Accuracy

Beam angle

Resolution

Sensitivity adjustment	Teach-In cable
Hysteresis	
thermal compensation	
Minimum sensing distance (blind zone)	
Linearity error	

Application

Function Principle	Diffuse reflection
--------------------	--------------------

Outputs

Output type	PNP + 0...10V
Output Function	NO/NC + positive/negative slope
Switching frequency	
Response time	

Electrical data

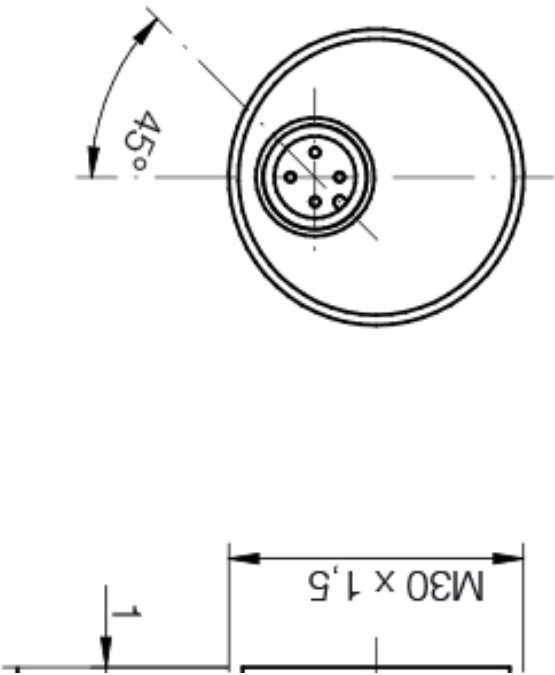
Operating Voltage	
No-Load supply current	
Load current	
Leakage current	
Output voltage drop	

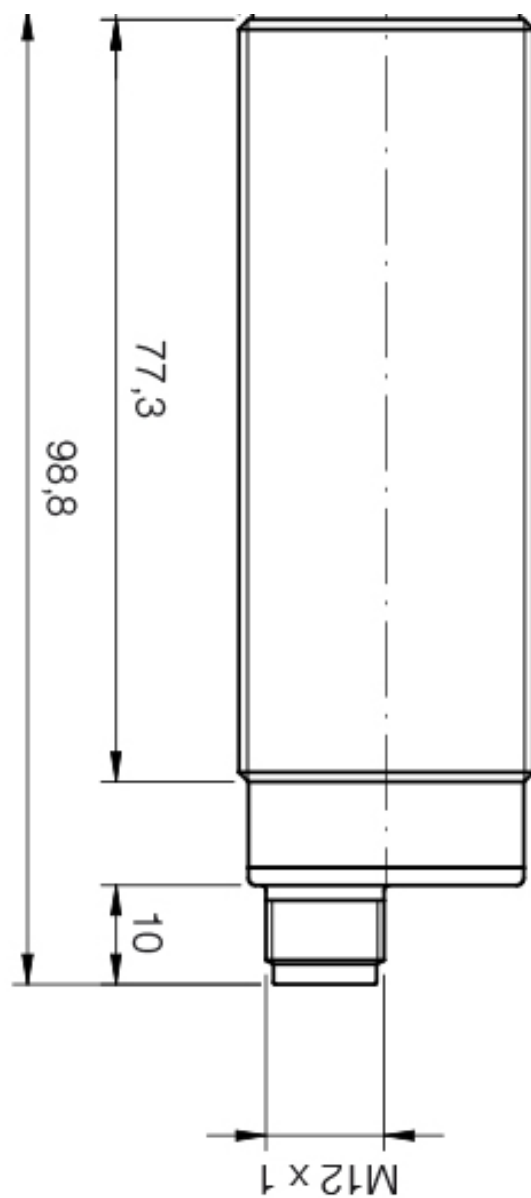
Max ripple content	
LED indicators	
Time delay before availability	
Short-circuit protection	
Reverse Polarity Protection	
Impulsive Overvoltage Protection	
Mechanical data	
Dimensions	
Housing material	
Weight	
Connections	M12 Plug
Tightening torque	
Operating temperature	
Storage temperature	
Transducer Frequency	
Diameter/Dimension	M30
Test/Approvals	
Approvals	

EMC compatibility
Shocks and vibrations
Degree of protection
Accessories
Supplied Accessories
Generical Data
Dimensions
Operating Temperature
Mechanical Protection

OTHERS

Dimensions





**Datasensing
S.r.l.**

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

**date of
printing**
10/08/2026
00:20:41