



# UT

## UT1B/GW-1ESY

**Ultra.M30,2x PNP-NO/NC,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 button

Hysteresis

thermal compensation

Minimum sensing distance (blind zone)

Linearity error

### Application

Function Principle

Diffuse reflection

### Outputs

Output type

2x PNP

Output Function

NO/NC multifunctions

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

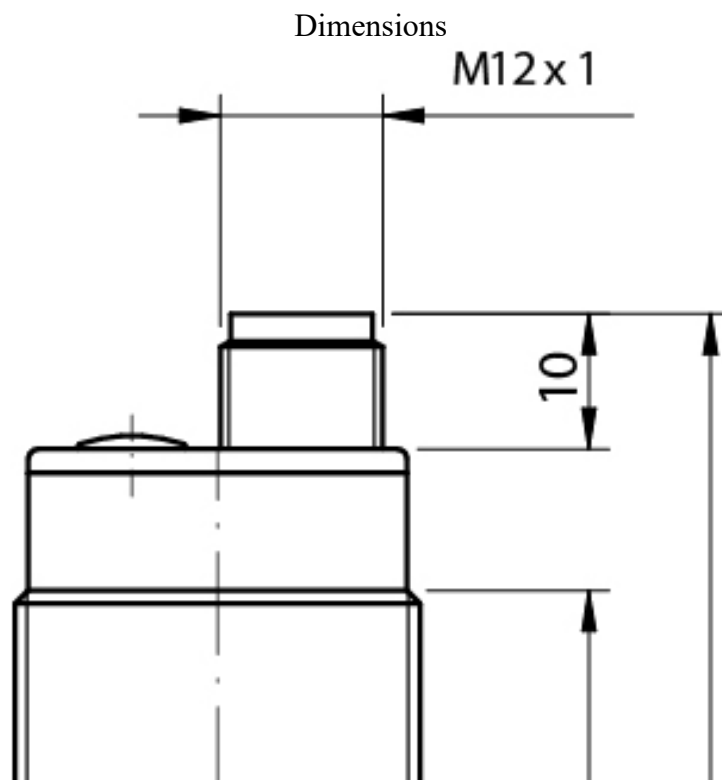
Generical Data

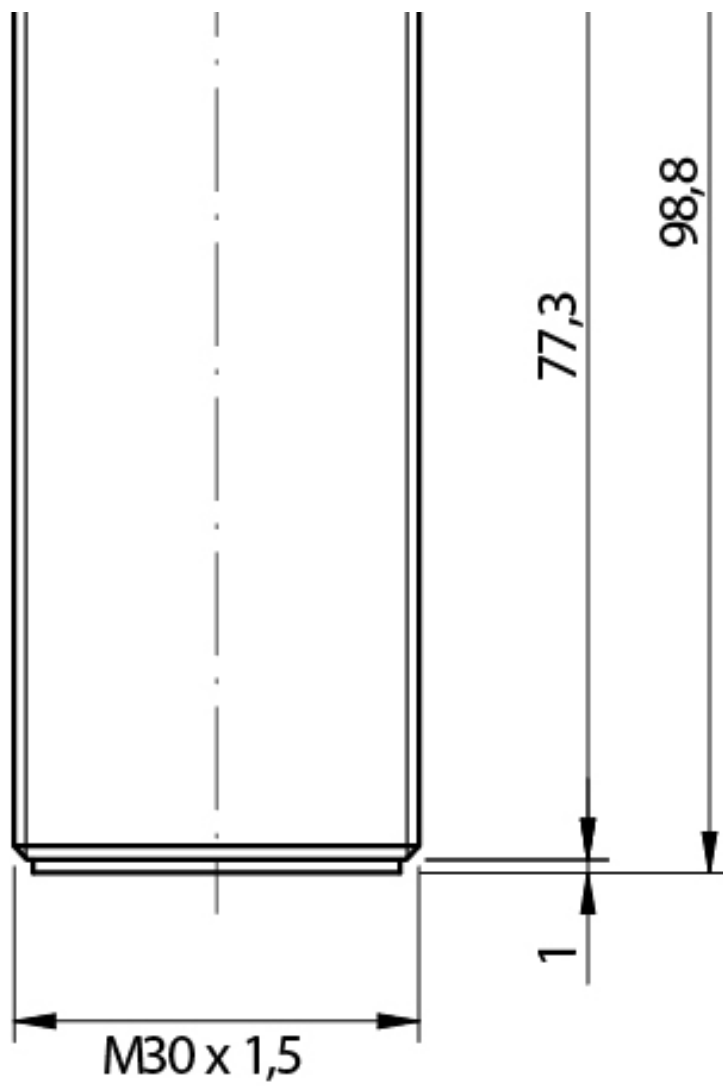
Dimensions

Operating Temperature

Mechanical Protection

## OTHERS





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