# UT

# UT1B/G7-0ESY

**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 button |
| 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

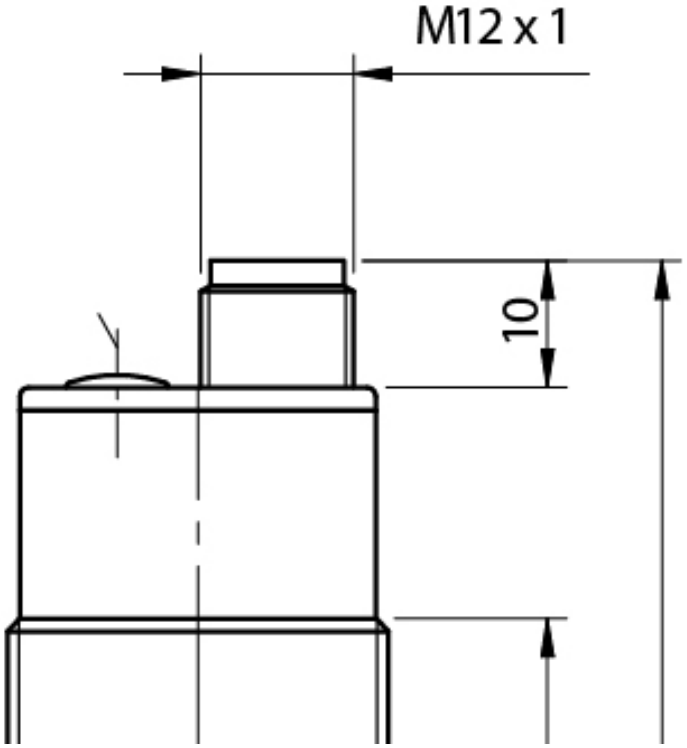
| |
|---|
| Supplied Accessories |

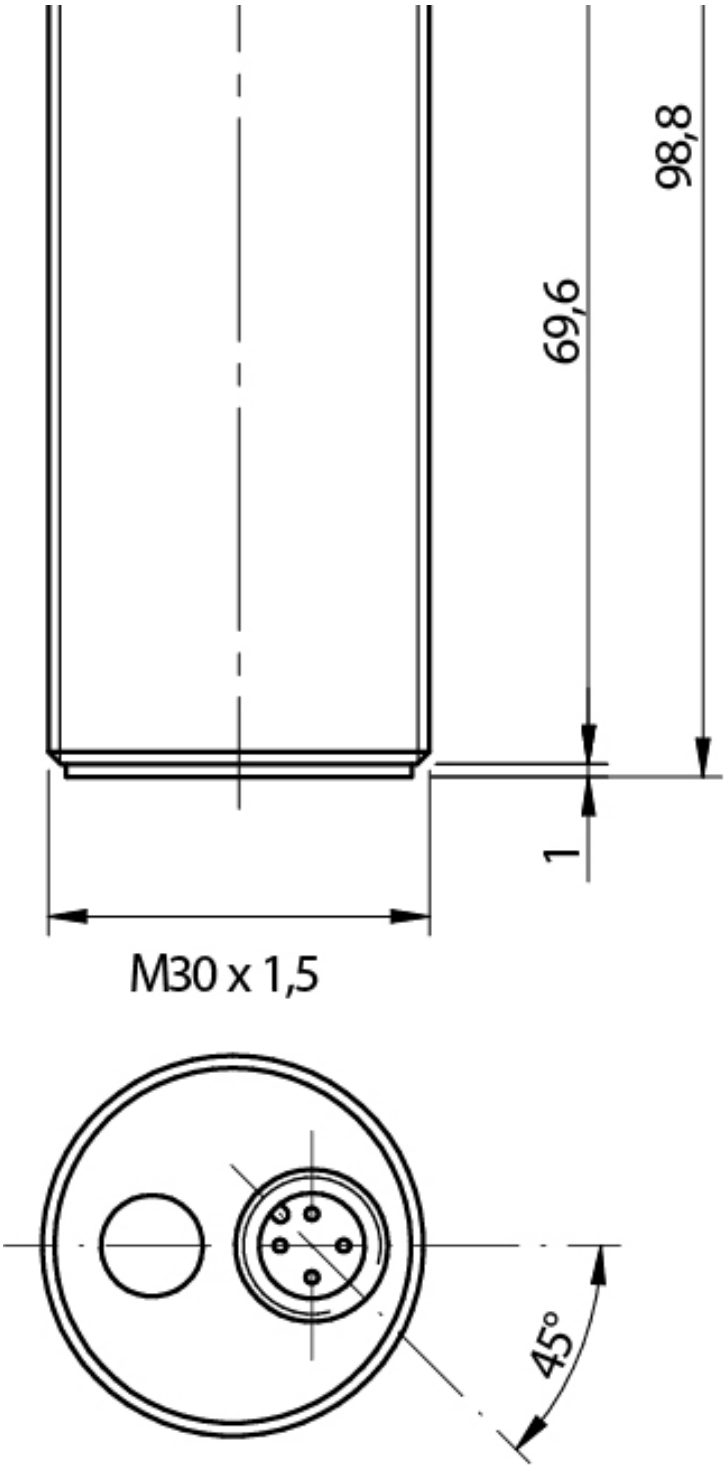
Generical Data

| |
|---|
| Dimensions |
| Operating Temperature |
| Mechanical Protection |

# OTHERS

Dimensions



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