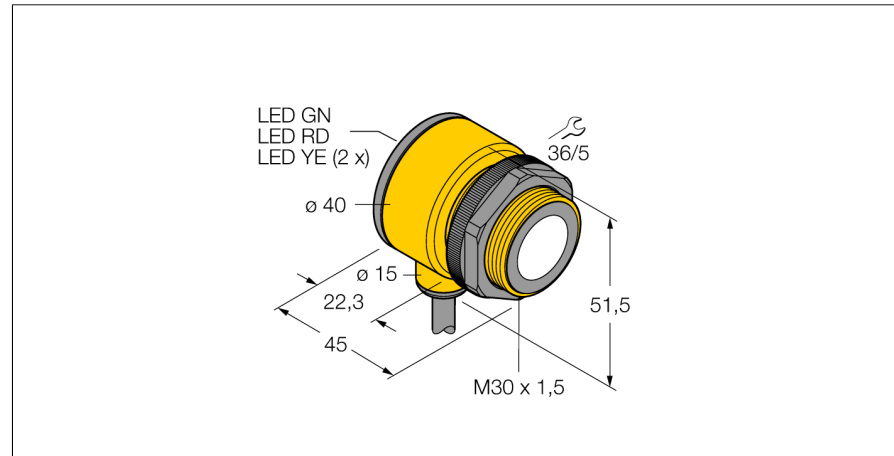
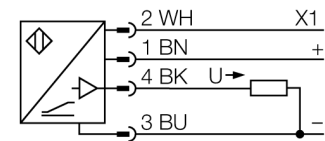


**Ultrasonic sensor
diffuse mode sensor
T30UXUC**



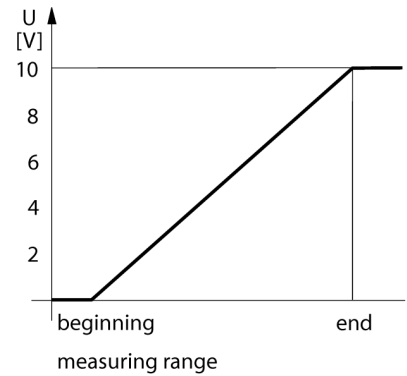
- Compact design
- Cable, 4-pin, 2 m
- Analog output 0...10 V
- Response time adjustable
- Integrated temperature compensation
- Measuring range adjustable via teach-in

Wiring diagram



Functional principle

Ultrasonic sensors detect a multitude of objects contactless and wear-free with ultrasonic waves. Regardless of whether the object is transparent or opaque, metallic or non-metallic, liquid, solid or powdery. Even environmental conditions such as spray, dust or rain hardly affect their function.



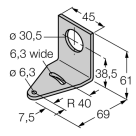
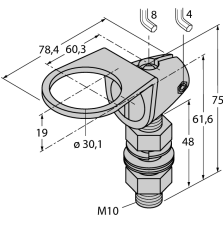
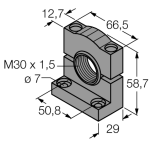
| | |
|--------------------------------------|--------------------------------|
| Type code | T30UXUC |
| Ident no. | 3080474 |
| Design | cylindrical/threaded, T30U |
| Dimensions | Ø40 x 45 mm |
| Housing material | plastic, Polyester |
| Connection | cable, 2 |
| Protection class | IP67 |
| Ambient temperature | -40...+70 °C |
| Power-on indication | LED |
| Operating voltage | 10...30VDC |
| Response time | 135 ms |
| Voltage output | 0...10V |
| Hysteresis | ≤ 4 mm |
| Short-circuit protection | yes/ cyclic |
| Reverse polarity protection | complete |
| Wire breakage protection | yes |
| Operating mode | diffuse mode ultrasonic sensor |
| Range | 30...300 cm |
| Ultrasound frequency | 114 kHz |
| Repeatability | ≥ ± 1.5 mm |
| Edge lengths of the nominal actuator | 100 mm |

**Ultrasonic sensor
diffuse mode sensor
T30UXUC**

TURCK

Industrial
Automation

Accessories

| Type code | Ident no. | Description | Dimension drawing |
|------------|-----------|--|---|
| SMB30A | 3032723 | Mounting bracket, stainless steel, for sensors with 30 mm thread |  <p>Technical drawing of the SMB30A mounting bracket. Dimensions include: top width 45, hole diameter $\varnothing 30,5$, hole offset 6,3 wide, hole diameter $\varnothing 6,3$, hole depth 38,5, hole offset 6,1, bottom width 69, bottom offset 7,5, and a radius of R 40.</p> |
| SMB30FAM10 | 3011185 | Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm |  <p>Technical drawing of the SMB30FAM10 mounting bracket. Dimensions include: top width 78,4, hole diameter $\varnothing 60,3$, hole offset 19, hole diameter $\varnothing 30,1$, hole depth 48, hole offset 61,6, total height 75, and a thread of M10.</p> |
| SMB30SC | 3052521 | Mounting bracket, PBT black; for 30 mm thread; with 4 screws M5 x 0.8 |  <p>Technical drawing of the SMB30SC mounting bracket. Dimensions include: top width 12,7, hole diameter $\varnothing 66,5$, hole offset 58,7, hole diameter $\varnothing 7$, hole offset 50,8, and a width of 29.</p> |