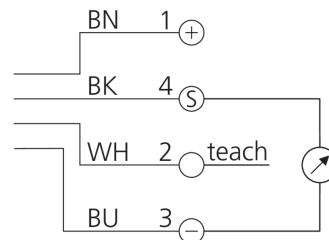
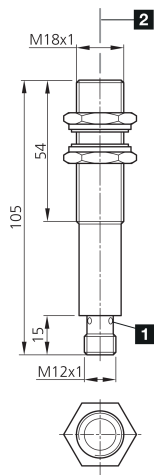




209506
UST 18 M 1500 IU-B4
Ultrasonic sensor

- Configurable as an ultrasonic sensor or barrier
- Working range adjustable
- Analog current output
- Resistant to dirt
- Insensitive to ambient noise
- Measuring does not depend on surface
- High frequency of measuring sequence
- High resolution



1) LED 4 x 90° (yellow)

2) Sound outlet ultrasonic transducer

BK: black

BN: brown

BU: blue

WH: white

Function



Technical data (typ.)

+20°C, 24 V DC

| | |
|------------------------------|---|
| Service voltage | 11 ... 30 V DC |
| No-load current (max.) | 65 mA |
| Ripple | 10 % |
| Insulation voltage endurance | 500 V |
| Thread | M18 x 1 |
| Transmission exit | axial |
| Housing material | Brass (CuZn, nickel-plated) |
| Protection class | III, operation on protective low voltage |
| Operating principle | Ultrasonic sensor, Ultrasonic barrier |
| Evaluation | analog |
| Design | Thread |
| Scope of delivery | 2 x M18 nuts, 2 x washers, 2 x rubber rings |
| Analog output | 0 ... 10 V (teachable), 4 ... 20 mA (teachable) |
| Analog output linearity | 1 % (Sn max.) |
| Load resistance | > 10 KΩ (0 ... 10 V) / < 400 Ω (4 ... 20 mA) |
| Adjustment range | 120 ... 1500 mm |
| Resolution | 0.5 mm |
| Switching hysteresis (max.) | axial |
| Reproducibility | 2 % / Sn max. |
| Sensitivity adjustment | Remote teach |

**209506****UST 18 M 1500 IU-B4****Ultrasonic sensor**

| | |
|---------------------------------------|--|
| Technical data (typ.) | +20°C, 24 V DC |
| Measuring frequency | 30 Hz |
| Ultrasonic frequency | 180 kHz |
| Ambient temperature during operation | 0 ... +60 °C |
| Temperature drift | stabilized |
| Protection type | IP 67 |
| Connection | Connector, M12, 4-pin |
| Connection cable | VK ... |
| More information / accessories | https://www.di-soric.com/209506 |