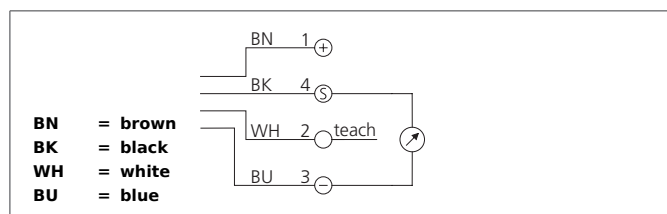


UST 18 MR 1500 IU-B4

Ultrasonic sensor

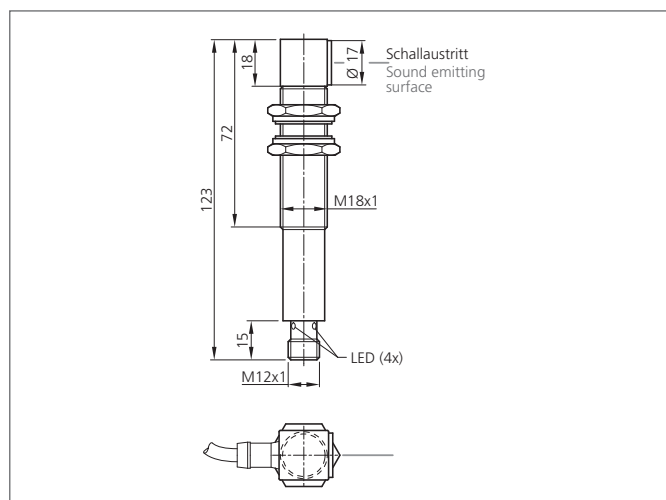


- As a ultrasonic sensor or -barrier configurable
- Scanning range adjustable
- Analog output 4 ... 20 mA / 0 ... 10 V, depending on load
- Insensitive to dirt
- Insensitive to ambient noise
- Scanning does not depend on surface
- High frequency of measuring sequence
- High resolution



Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.
These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Operating principle		Ultrasonic sensor, Ultrasonic barrier
Evaluation		analog
Size		M18 x 1 (thread)
Design		screw
Sending axis		radial
Service voltage		11 ... 30 V DC
No-load current		45 ... 65 mA
Operating distance		1500 mm
Adjustment range		120 ... 1500 mm
Resolution		0,5 mm
Sensitivity adjustment		Remote teach
Switching hysteresis		axial
Analog output		0 ... 10 V, 4 ... 20 mA, teachable
Measuring frequency		30 Hz
Sound frequency		180 kHz
Ripple		10 %
Linearity analog output		1 % / Sn max.
Shock/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Reproducibility		2 % / Sn max.
Ambient temperature, operation		0 ... +60 °C
Temperature drift		stabilized
Load resistance		> 10 KΩ (0 ... 10 V) / < 400 Ω (4 ... 20 mA)
Insulation voltage endurance		500 V

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Ultrasonic sensor



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Protection class		IP 67
Casing material		brass nickel plated
Connection		Connector, M12 x 1, 4-poled
Scope of delivery		2 x M18 nuts, 2 x washers, 2 x rubber sleeves