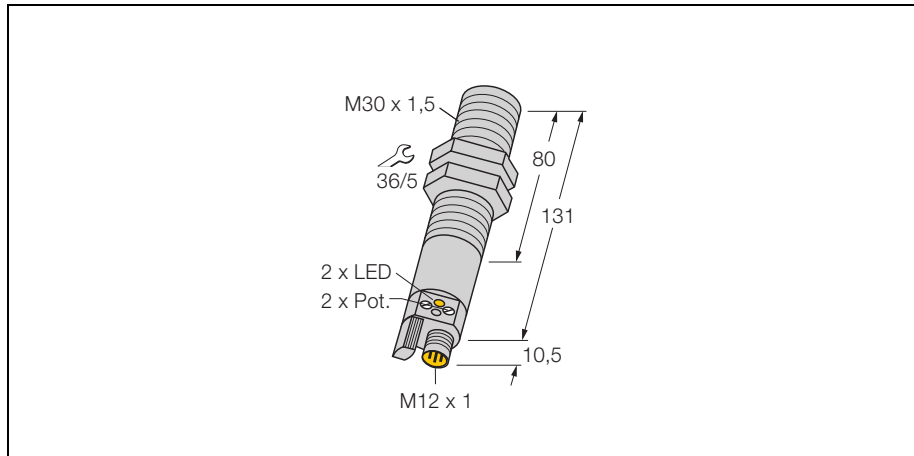
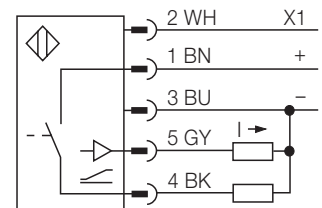


**ultrasonic sensor
diffuse mode sensor
RUC130-M30-LIAP8X-H1151**



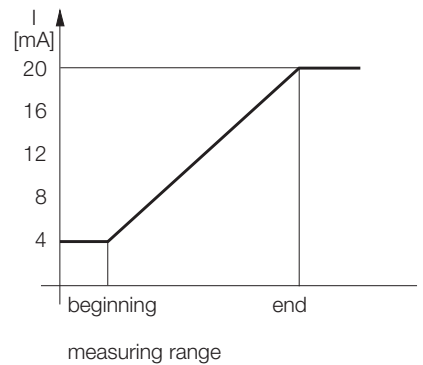
- lower and upper switching limit adjustable via potentiometer
- further parameters (e.g. analogue range) adjustable via programming device RU-PDI (accessories)
- analogue output, 4...20 mA
- pnp transistor output (normally open)
- synchronizable
- opening angle of sonic cone 6°

Wiring diagram



Functional principle

Ultrasonic sensors use ultrasonic waves for non-contact and wear-free detection of a large variety of objects. It does not matter whether the object is transparent or opaque, metallic or non-metallic, or of liquid, solid or powdery consistence. Environmental conditions such as spray, dust or rain hardly affect their function.



Type	RUC130-M30-LIAP8X-H1151
Ident-No.	1840230
Range	20... 130 cm
Ultrasound frequency	200 kHz
Repeatability	± 2 mm
Edge lengths of the nominal actuator	20 mm
Pass speed	1.2 m/s
Approach speed	10 m/s
Ambient temperature	-25...+ 70 °C
Operating voltage	20... 30VDC
DC rated operational current	300 mA
No-load current I ₀	50 mA
Output function	normally open, PNP/analogue output
Current output	4... 20 mA
Load resistance	300 Ω
Short-circuit protection	yes / cyclic
Reverse polarity protection	complete
Switching frequency	4 Hz
Voltage drop at I _e	3V
Wire breakage protection	yes
Housing	cylindrical/threaded, M30
Dimensions	131 mm
Housing diameter	30 mm
Thread length	80 mm
Housing material	metal, CuZn, nickel-plated
Connection	connectors, M12 x 1
Degree of protection	IP65
Display switch state	LED yellow

**ultrasonic sensor
diffuse mode sensor
RUC130-M30-LIAP8X-H1151**

TURCK

Industrial
Automation

Accessories

Type code	Ident-No.	Short text	Dimension drawing
RU-PDI	1890000	programming device for configuration of ultrasonic sensor types RU...-M18 and RUC...-M30	