UR18

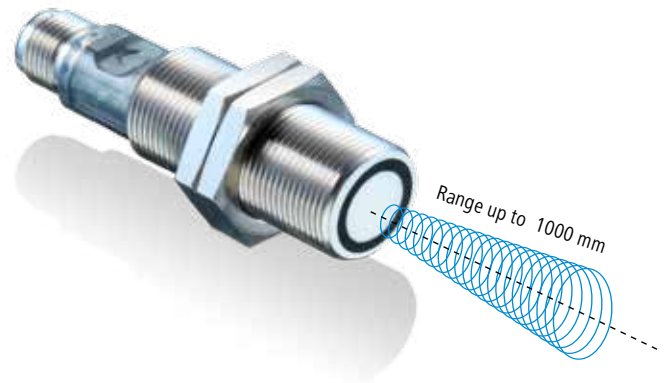## Functionality and easy handling

Of the three sensor principles available, UR18 ultrasonic sensors can be used most flexibly, whether for object detection, exact acquisition of part location or level measuring. Regardless of whether objects change color, are transparent or high-gloss, UR18 ultrasonic sensors reliably provide the information you require.

Range up to 1000 mm

Advantage Overview

- Simple and reliable setup thanks to *qTeach*®
- Comfortable, fast control of the sensor from all sides
- Very slender, symmetrical sonic cone for reliable detection even in small container openings
- Range up to 1000 mm
- Different sensor principles in a consistent housing design for a wide range of applications
- Compact design and lifelong robustness
- IP 67

UR18 sensor principles

Proximity switch
- Reliable object detection regardless of background, shape and surface finish of the object
- Application area: Object detection on conveyor belts or presence detection

Distance measuring sensor
- Detection of the distance between sensor and object for precise process control, even in difficult environments and with irregular surfaces such as granules
- Application area: Level measurement, identification of roller diameters and stacking heights
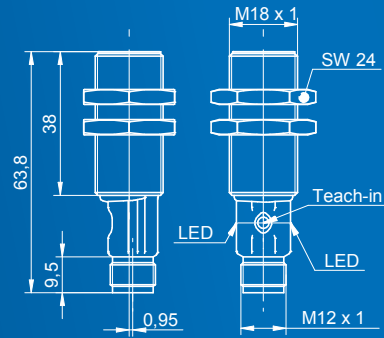
Retro-reflective sensor
- Detection of an object between sensor and reflector with no blind range
- Application area: For sound absorbing objects and objects with extremely irregular surfaces

Product data UR18

Sensor principle	Range	Teach	Output function	Order number
Distance measuring	100–1000 mm	qTeach® and extern	0 …10 VDC	UR18.DA0-11119994
Distance measuring	100–1000 mm	qTeach® and extern	4 … 20 mA	UR18.DA0-11135775
Proximity switch	100–1000 mm	qTeach® and extern	Push-Pull	UR18.PA0-11120038
Retro-reflective sensor	0–1000 mm	qTeach® and extern	Push-Pull	UR18.RA0-11120042

Accessories

Connector M12,
4 pin, straight, shielded

2m: ESG 34AH0200
5m: ESG 34AH0500
10m: ESG 34AH1000

Connector M12,
4 pin, angular, shielded

2m: ESW 33AH0200
5m: ESW 33AH0500
10m: ESW 33AH1000

Sensofix mounting

10151658

Sonic beam defelector

10164264

Converter 3-point

10163979

For more information about our UR18 sensors go to
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