

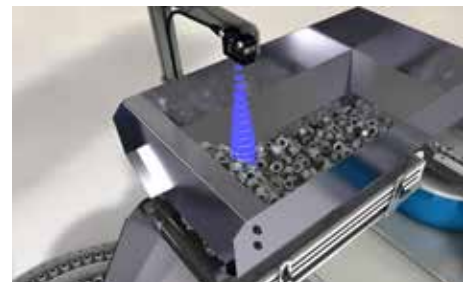


# Miniature ultrasonic sensors U300

The sensor family that impresses in every case!

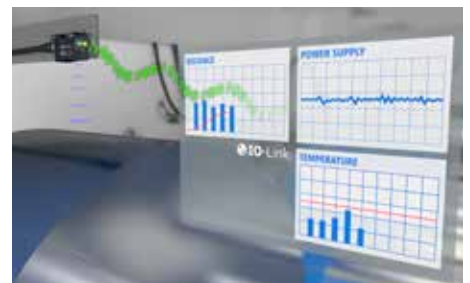
Always reliable – optimal sensor setting to the individual application

- Enhanced functions and filters, such as sonic beam adjustment, moving-average filter, or disruption filter allow fast and easy optimization of the sensor performance
- High plant effectiveness and reliability thanks to easy optimization of the sensor to the individual application requirements



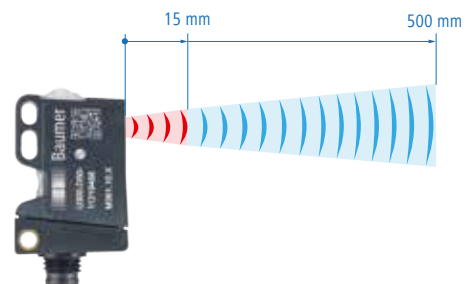
Connected – efficient integration and additional data via the IO-Link interface

- On-the-fly-parameterization via the IO-Link interface allows flexible production lines
- Additional diagnostic data, such as device temperature or number of switching cycles, as the basis for predictive maintenance concepts



Fast design-in – highest performance in the most compact design

- Best-in-class measurement range with a blind zone of 15 mm for a measuring distance up to 500 mm
- Compact, space-saving design with standard hole centres allows flexible integration of the sensor into the machine



# Product overview U300 with IO-Link interface



Sensor principle	Output	Measuring range	Order designation
Single-point proximity switch	IO-Link	15 ... 500 mm	U300.P50-11219506
Two-point proximity switch (Dual channel)	IO-Link, 2 switching outputs	15 ... 500 mm	U300.P50-11219504
Reflection boom	IO-Link, 1 switching output	0 ... 500 mm	U300.R50-11219508
One-way boom	IO-Link, 2 switching outputs	0 ... 1000 mm	U300.EA0-11219511 U300.TA0-11219514
Distance measurement sensor	IO-Link, switching output, and analog output	15 ... 500 mm	U300.D50-11219488
Distance measurement sensor retrofit	Pin assignment same as with the previous version	15 ... 500 mm	U300.D50-11219502

More information can be found at: [www.baumer.com/U300](http://www.baumer.com/U300)

## Accessories – Easy mounting and integration of the ultrasonic sensors into the control system

	Denotation	Order no.
	<i>SensControl</i> – Wireless IO-Link master with integrated battery for parameterization on location and monitoring via Bluetooth or WLAN	11214576
	USB IO-Link master for the parameterization of IO-Link sensors via USB	11048016
	8-fold master, IP 20 with PROFINET	11215445
	8-fold master, IP 20 with Ethernet/IP interface	11215448
	8-fold master, IP 67 with PROFINET	11215447
8-fold master, IP 67 with Ethernet/IP interface	11215460	

For the full range of accessories visit: [www.baumer.com/accessories-sensors](http://www.baumer.com/accessories-sensors)

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