

Your Global Automation Partner

TURCK

RU Ultrasonic Sensors Compact Sensors with IO-Link



Mute Function for Multiplexing

Turck is expanding the simple "Compact" range of its ultrasound sensors to include a variant with IO-Link output. Users can deploy IO-Link as the process value or continue to use the sensor's switching output. The switchpoint is taught in via IO-Link or, as before, via a teach adapter.

In addition to the familiar benefits of IO-Link, such as cost-efficient wiring, intelligent data storage and predictive maintenance, the sensor offers a special feature in the form of the mute function. This function enables the sound transducer to be turned on or off in a targeted manner via the IO-Link master. This facilitates the synchronized or staggered operation (multiplexing) of several sensors via the control

unit. Previously, synchronous or multiplex operation were only possible with complex wiring solutions.

The compact RU-U sensors with IO-Link are available in M18 housing with ranges of 40 and 100 cm, in straight or angled diffuse sensor mode or retroreflective mode.

The RU ultrasonic sensor series from Turck consists of three types the compact, the standard and the high-end variants. The three types offer different functions and output options. The entire series offers extensive ranges with short blind zones, thanks to optimized control electronics. The smooth face of the sound transducer prevents the adhesion of dirt and moisture.

Your Benefits

- Flexible use with IO-Link communication
- Compatible with switching or measuring applications
- Simple setup
- High availability thanks to robust design





RU Compact Sensors with IO-Link

Product Highlights

- Simple teach-in
- Diffuse- or retroreflective operating mode
- Robust and compact M18 metal housing
- Smooth sonic transducer face
- Mute function for multiplexing
- Ranges of 2.5...40 cm and 15...100 cm
- Protection class IP67

Compact IO-Link

Design	Type code	ID number	Sensing range
 Straight	RU40U-M18M-AP8X2-H1151	1610094	2.5...40 cm
	RU100U-M18M-AP8X2-H1151	1610095	15...100 cm
 Angled	RU40U-M18MS-AP8X2-H1151	1610105	2.5...40 cm
	RU100U-M18MS-AP8X2-H1151	1610106	15...100 cm



SIDI

Turck's "Simple IO-Link Device Integration" enables the configuration of IO-Link devices directly from the engineering environment, e.g., TIA Portal or CODESYS. During the system startup, the parameterization is performed automatically by the controller. This saves time, and allows configuration-free replacement of IO-Link masters and devices.

Did you know ...

- that IO-Link is a fundamental technology of the digital factory, and that Turck offers many other modules for Industry 4.0?
- that the Turck product range also includes IO-Link hubs and numerous sensors with IO-Link interfaces?

