

New Products

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U18T Ultrasonic Sensors in Stainless Steel Housing

M18 thread enables quick and tool-free installation

With the U18T ultrasonic sensors, the wenglor sensoric group offers a series in the usual M18 design in stainless steel housing, which impresses with its high stability and reliability. The U18T sensors are ideal for detecting shiny, transparent and dark objects and can even reliably detect mirrored surfaces. With the existing IO-Link interface, the ultrasonic sensors are suitable for flexible integration into various systems in a detection range of up to 2,400 mm.

The U18T series is available as variants with switching and analog output. The working range is up to 1,200 mm in reflex mode, and up to 2,400 mm in through beam mode. The U18T ultrasonic technology includes different operating modes for precise adaptation to different application situations: The automatic synchronous mode is optimally designed for detecting objects without delay. This means that up to 32 sensors can be operated in parallel in this mode. Multiplex operation, in turn, is ideal for level monitoring of large areas and enables joint operation of up to 16 sensors without mutual influence.

The stainless steel housing ensures high stability and is robust against environmental influences thanks to the IP67 degree of protection. The integrated IO-Link interface provides flexibility in parameterization and configuration. The teach button and the freely available wenglor wTeach2 software make setting up the U18T sensors quick and easy so that they are ready for use quickly and reliably.

The Highlights at a Glance:

- M18 format in robust stainless steel housing
- Reflex sensor and through beam mode with a working range of up to 2,400 mm
- Synchronous and multiplex modes
- IP67 degree of protection for robustness against environmental influences
- Teach-in button for simple teach-in of the switching threshold
- IO-Link 1.1 for flexibility in parameterization and configuration

Approximately 2,000 characters

Text: wenglor Public Relations Office

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Captions

The ultrasonic sensors in stainless steel housing with M18 thread from the wenglor sensoric group enable quick and tool-free installation.

About the wenglor sensoric group

The wenglor sensoric group develops innovative sensors, safety systems and machine vision products with intelligent interfaces and software for industry all over the world. Founded in 1983, wenglor is one

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of the world's key high-tech providers for the automated industry. The solutions of the wenglor sensoric group enable the trends of Industry 4.0 as well as the Internet of Things, 3D technologies, robotics and artificial intelligence (AI). In doing so, they conserve resources and increase the quality and safety of the manufactured products. The second-generation owner-managed family business is represented worldwide with 28 subsidiaries in 53 countries. In addition to the company headquarters in Tett nang, the group of companies with over 1,100 employees also develops and produces its multi-patented products in Munich, Berlin, Sibiu (Romania), Perth (Scotland), La Chevrolière (France) and Belgrade (Serbia).