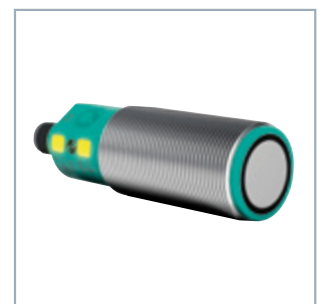
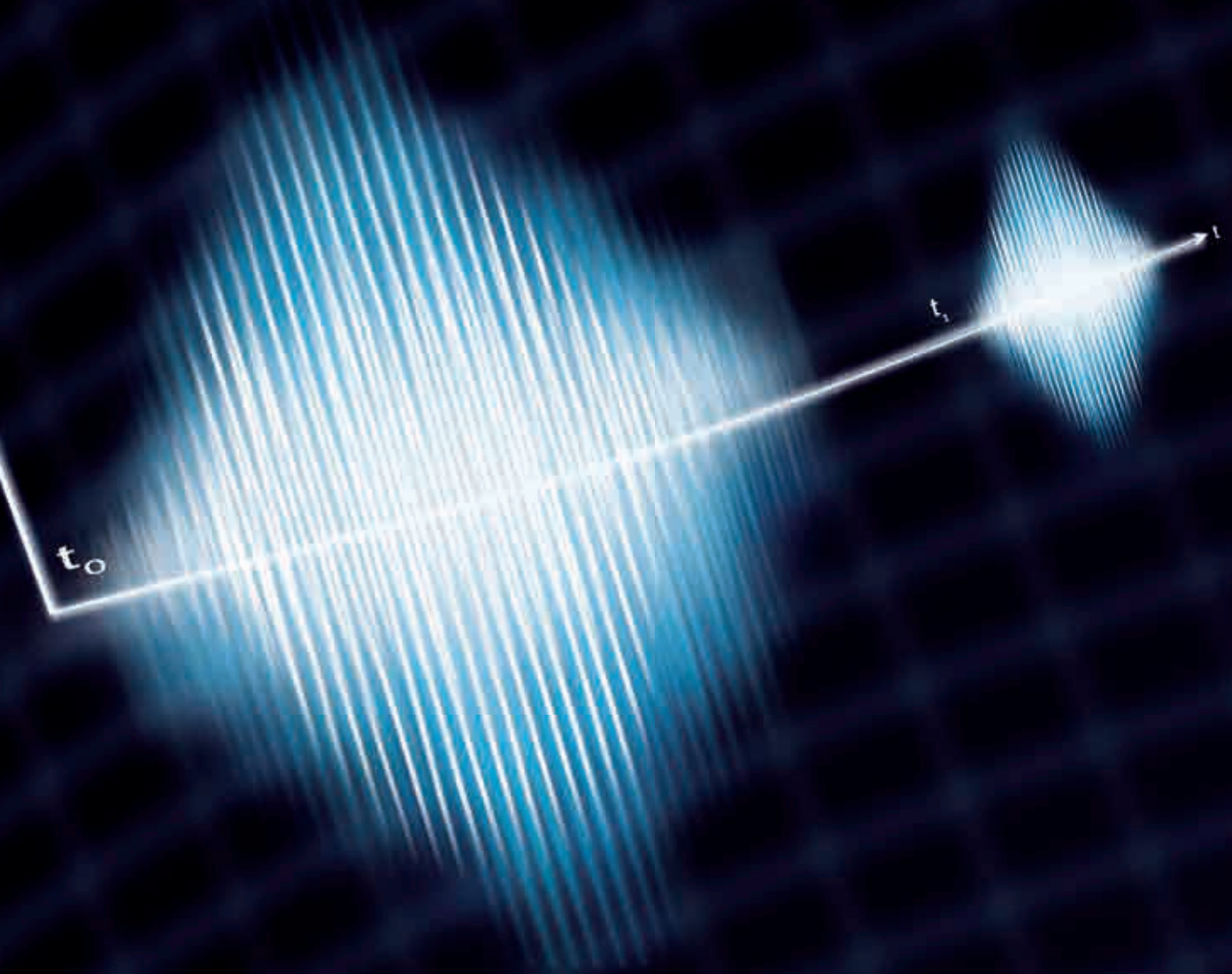


THE PULSE OF AUTOMATION

THREE NEW ULTRASONIC MODELS: F77, 30GM70, 30GM-IO



The pulse of automation



The latest generation of ultrasonic sensors from Pepperl+Fuchs provides advantages such as an optimized dead band and simple, intuitive installation.

Three new sensor families cover the complete application spectrum. The compact F77 sensors provide best-in-class immunity to acoustic interference and are designed for space-restrictive installations. UC...30GM70 sensors feature a detachable infrared interface for easy software configuration. The UC...30GM...IO sensors are easily configured via pushbutton or IO-Link, and solve a wide range of applications. Backed by decades of experience and technical leadership, Pepperl+Fuchs leads the industry in innovation, reliability, and product diversity.

F77 miniature sensor – Designed for space-restricted installation conditions

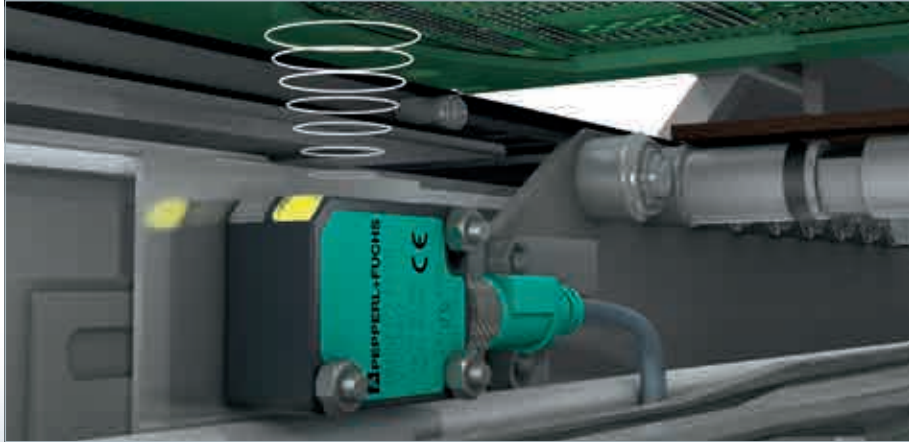
The new generation of miniature ultrasonic sensors has arrived. F77 Series sensors can accurately detect to the millimeter objects made of materials that are typically difficult to detect. The F77 miniature Series is available in three common versions: as a background suppression sensor, a retroreflective sensor, or a thru-beam sensor with a large detection area.



MAIN FEATURES

- High immunity to compressed air and ambient noise
- Extremely small blind zone (10 mm) for space-restricted installation conditions
- Reliable detection of transparent objects
- Easy installation and adjustment
- Color-insensitive – alternative to background suppression photoelectric sensors
- Excellent price/performance ratio

Model number	Sensing range	Dimensions	Switching output	Analog output	Setting
UB250-F77	250 mm	31 mm x 23 mm x 12 mm	1NC/1NO	Frequency-based	Teach-in input
UBR250-F77	250 mm				
UB400-F77	400 mm				
UBR400-F77	400 mm				
UBE800-F77	800 mm				



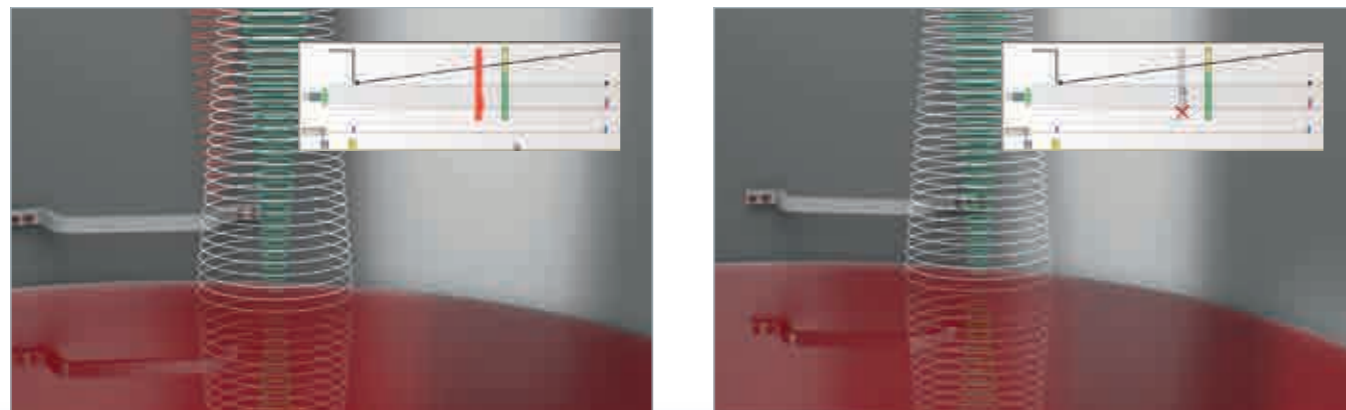
30GM70 – The right sensor version for every application

The new 30GM70 ultrasonic sensors analyze the echoes received in real time, free of any interruption. As a result, these sensors can be configured and fine tuned for use in particularly challenging applications.

MAIN FEATURES

- Many different housings and sensing ranges
- Always the right sensor, can be used immediately without parameterizing
- Sensors with multiple output options
- Adjustable with or without target presence
- Optimum adaptation to your application without interrupting processes
- Simple alignment

Model number	Sensing range	Dimensions	Switching output	Analog output	Interface	Setting
UC500-30GM70	500 mm	ø 30 mm x 100/110/130 mm	2NO/NC	■	Infrared	UltraProg-IR
UC2000-30GM70	2000 mm					
UC3500-30GM70	3500 mm					
UC6000-30GM70	6000 mm					



Sensing parameters are adjustable on the fly, without interrupting the control outputs



Sensor intelligence ignores acoustically reflective peripheral objects



Parametrization via infrared interface

30GM-IO – A single sensor, A thousand solutions

Using 30GM-IO ultrasonic sensors can significantly reduce the volume of your inventory. Whether for fill level measurement, presence monitoring, or counting objects – ONE sensor solves a wide range of different applications. The sensor can be parameterized using buttons or via an IO-Link interface.

MAIN FEATURES

- Flexible parameterization using pushbuttons or via IO-Link
- Simple on-site parameterization, using pushbuttons and without requiring software, reduces your inventory
- Teach-in function for precise adjustment
- Simple controller integration

Model number	Sensing range	Dimensions	Switching output	Analog output	Interface
UC500-30GM-...-IO	500 mm	ø 30 mm x 90 mm	1NC/1NO, 1 push-pull	■	IO-Link
UC2000-30GM-...-IO	2000 mm		2NC/2NO, 2 push-pull		
UC4000-30GM-...-IO	4000 mm				
UC6000-30GM-...-IO	6000 mm				

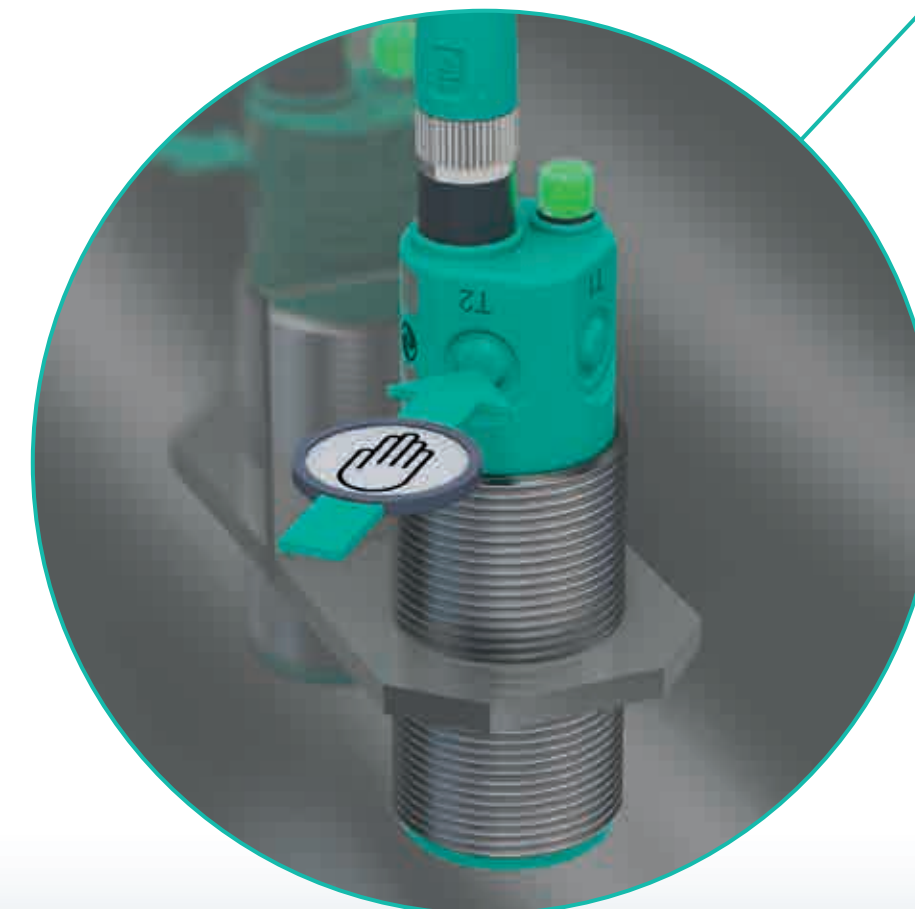


Automatic detection of different object sizes via IO-Link



Bidirectional communication

Simple integration in the controller via IO-Link



Setting different beam widths (wide/narrow) using the Teach-in function



YOUR APPLICATION. OUR CHALLENGE.

PROCESS INTERFACES

- Intrinsically safe barriers
- Signal conditioners
- Fieldbus infrastructure
- Remote I/O systems
- HART interface solutions
- Level measurement
- Purge and pressurization systems
- Industrial monitors and HMI solutions
- Explosion protection equipment
- Wireless solutions
- Solutions for process interfaces

INDUSTRIAL SENSORS

- Proximity sensors
- Photoelectric sensors
- Industrial vision
- Ultrasonic sensors
- Rotary encoders
- Positioning systems
- Inclination and acceleration sensors
- AS-Interface
- Identification systems
- Logic control units



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