



SMALL SENSORS FOR TIGHT SPACES

ULTRASONIC MINIATURE SENSOR F77

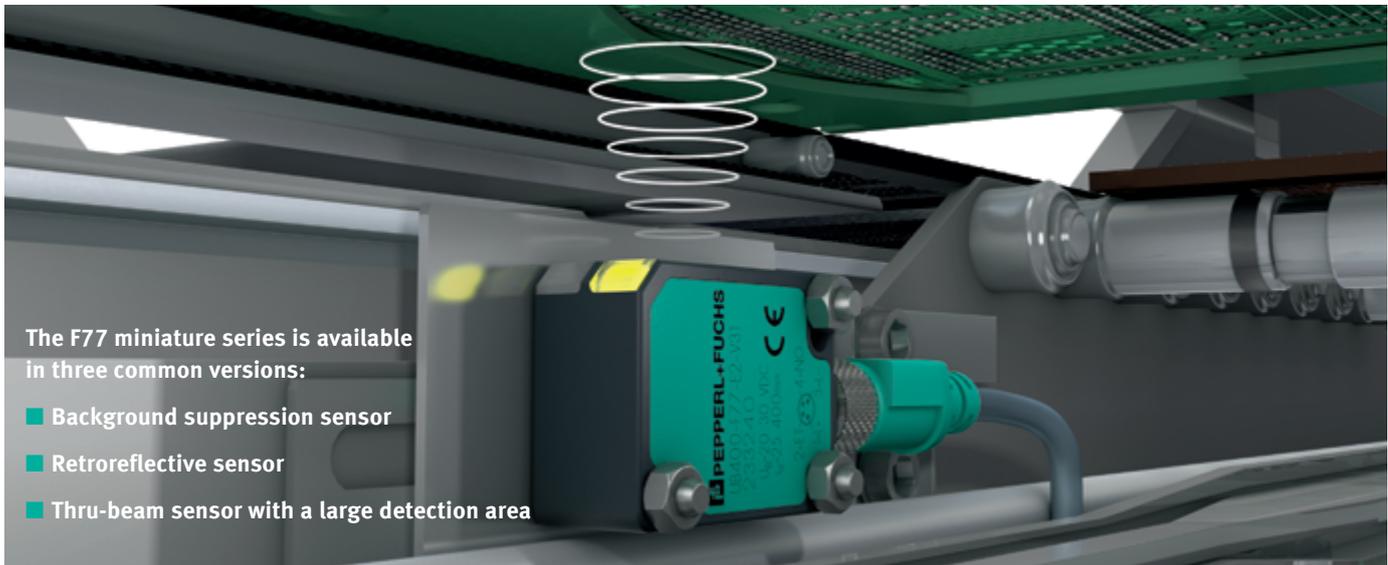
- Very short blind zone for space-restrictive areas
- Reliable detection of transparent objects – independent of any material
- High interference resistance against compressed air and machine noise
- Easy installation and setup
- Compatible to optical design
- Types with high switching frequency



ULTRASONIC MINIATURE SENSOR F77

F77 – COMPACT SENSOR DESIGNED FOR SPACE RESTRICTIVE 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:

- Background suppression sensor
- Retroreflective sensor
- Thru-beam sensor with a large detection area

APPLICATIONS

- Designed for space-restrictive installation conditions
- Even objects with holes and ridges can be detected due to the wide sensing area
- Reliable detection of transparent and very shiny objects with a frequency of up to 50 Hz

TECHNICAL DATA

| Sensing range Setting | Model number | Versions | Dimensions (mm) | Switching output | Analog output | Adjustment |
|-----------------------|--------------|-------------------------------|-----------------|------------------|------------------|------------|
| 20 ... 250 mm | UB250-F77 | Background suppression sensor | 31 x 23 x 12 | 1NC/1NO | Frequency output | Teach-in |
| 0 ... 250 mm | UBR250-F77 | Retroreflective sensor | | | | |
| 25 ... 400 mm | UB400-F77 | Background suppression sensor | | | | |
| 0 ... 400 mm | UBR400-F77 | Retroreflective sensor | | | | |
| 0 ... 800 mm | UBE800-F77 | Thru-beam sensor | | | | |

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SENSING YOUR NEEDS