



# Basic Series F77 & Series IO F77

## Basic Series F77

- Miniature housing: surface-mount
- Teach wire configurable
- NPN & PNP, N.O., or N.C. outputs
- Analog-frequency output

## Series IO F77

- Miniature housing: surface- or snout-mount
- Pushbutton or software configurable
- 4-in-1 switch point output
- 2-in-1, analog current, and voltage output



# Basic Series F77 & Series IO F77

## Basic Series F77

- **Lowest-cost ultrasonic**
- **Fixed beam width**
- **Background suppression**

## Series IO F77

- **Synchronization input**
- **10 selectable beam angles**
- **Foreground and background suppression**
- **Intelligently filters unwanted echoes**
- **IO-Link compatible**



# Basic Series F77 & Series IO F77

## General F77 Benefits vs. Optic-Based Sensing

- **Wide sensing area**
  - **Ignores target holes and ridges**
  - **Stable output when monitoring targets with loose tolerances**
- **100 % color insensitive**
- **100 % reliable with clear targets**



# Basic Series F77 & Series IO F77

## Sensing Ranges

Basic UB250 diffuse range: 40 mm ... 250 mm

Series IO UC250 diffuse range: 25 mm ... 250 mm

Basic UB400 diffuse range: 40 mm ... 400 mm

Series IO UC400 diffuse range: 40 mm ... 400 mm

Basic UBE800 thru-beam range: 0 mm ... 800 mm

Series IO UC800 snout-mount range: 60 mm ... 800 mm



# Basic Series F77 & Series IO F77

- **Level monitoring in small containers**
- **Circuit board detection**
- **Cylinder extension/retraction feedback**
- **Roll diameter and web presence scanning**

