



# Optical Fork and Angle Sensors



## Fork and angle sensors with one-piece housing design saves set-up time

The new ifm optical fork and angle sensors are made with a robust metal housing and thru-holes for easy mounting without brackets. Unlike traditional through-beam sensor pairs, the fork and angle sensors offer a one-piece fixed-distance transmitter and receiver design, which eliminates the time consuming alignment of the transmitter and receiver. The visible red light is in the form of a precisely concentrated beam simplifying installation placement. Our fork and angle sensors offer sensing solutions in eight different housing sizes with slot widths ranging from 10 mm up to 120 mm.

### Typical applications:

- Sensing parts on conveyors, rails and belts
- Detection of object edges and protruding features
- Counting and detection of gear teeth
- Verification of component position, orientation and dimensions
- Monitoring container fill levels
- Label detection and hole detection
- Tool break monitoring

## Easy, quick and precise from all angles

- Robust, metal housing with thru-holes for easy mounting without brackets
- Single-housing design – no need to align transmitter and receiver
- Easy sensitivity setting via potentiometer
- Light-on / dark-on mode selectable via rotary switch for application flexibility
- Available with slot widths ranging from 10 mm to 120 mm



