

# Versatile, Rugged Laser Contrast Sensor

High-Speed Performance: Captures up to 2,000 events per second.

Versatile

Solves challenging part-detection applications with **small contrast differences**. Short-range models available with **background suppression** capability.

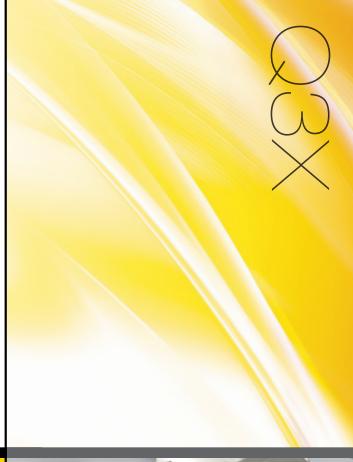
Durable

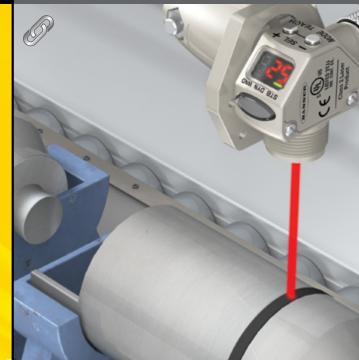
Rugged nickel-plated zinc housing suitable even in environments with cutting fluids and oils.

Easy to Use

Simplified user experience with a **clear intensity readout** from the angled three-digit display and easy setup with responsive buttons.









# Ideal for High-Speed Detection

- High-speed part detection as fast as 250 µs, capturing up to 2,000 events per second
- Used for presence/absence or orientation detection

# High-Performance Contrast Detection

• Can detect small changes in contrast up to 300 mm





### Angled Three-Digit Display

- Clear user feedback facilitates setup
- Easy to read at all angles
- Optional inverted display for easy mounting and readability

• Clear intensity readout



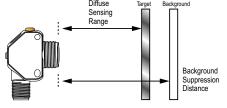
Nicked-Plated Zinc Housing Rated to IP67, IP68, IP69K



Two tactile buttons for easy setup and advanced menu options

# Reliable Detection with Background Suppression

- Short-range models available with fixed background suppression
- Ignores backgrounds including shiny metal while reliably detecting small contrast changes







Housing Style Family Output Mode Connector Q3X LD Q8 В **B** = Bipolar **LD** = Laser Diffuse Q8 = 5-pin Integral QD T = 18 mmThreaded 300 mm range QD models require mating cordset **LD50** = Laser Diffuse 50 mm range Barrel with 60 mm BGS\* **LD100** = Laser Diffuse 100 mm range with 120 mm BGS\* \* BGS = Background Suppression

> Some models may not be available at time of printing. Call factory or check website for the latest model information.

MQDC1-506

2 m (6.5')

# Accessories



# SMBQ4XFA

includes 3/8" bolt for mounting

# SMBQ4XFAM10

includes 10 mm bolt for mounting

#### SMBQ4XFAM12

clamps directly onto industry standard bracket systems of 1/2" or 12 mm rods

## 5-Pin M12/ **Euro-Style Cordsets**

Straight connector models listed; for right-angle, add RA to the end of the model number (example, MQDC1-506RA)

MQDC1-515 5 m (15') MQDC1-530 9 m (30')

5-Pin M12/ Euro-Style Washdown Cordset Straight connector models only

MQDC-WDSS-0506 2 m (6.5') MQDC-WDSS-0515 5 m (15') MQDC-WDSS-0530 9 m (30')



