

Q3X

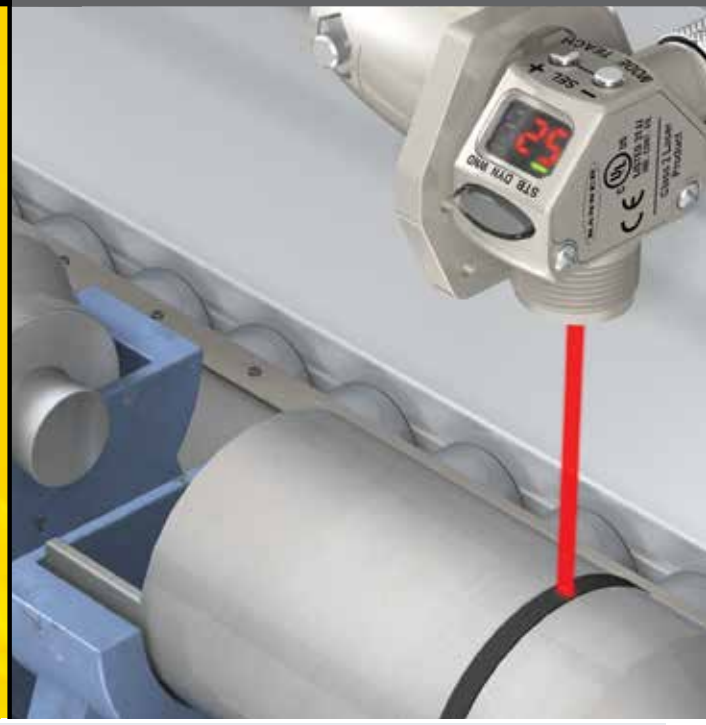
Versatile, Rugged Laser Contrast Sensor

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.



BANNER®
more sensors, more solutions

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com



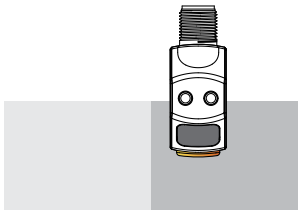
Q3X Laser
Contrast Sensor

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





Features

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

LED Output Indicator

Active TEACH Indicators

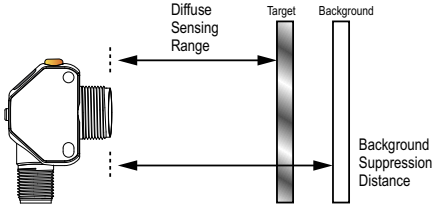
Green LED is ON when signal strength is stable



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







Q3X Laser Contrast Sensor



c UL us LISTED 3TJJ IND. CONT. EQ.

CE

Order Now

Family	Housing Style	Output	Mode		Connector
Q3X	**T**	**B**	**LD**	—	**Q8**

T = 18 mm Threaded Barrel

B = Bipolar

LD = Laser Diffuse 300 mm range

LD50 = Laser Diffuse 50 mm range with 60 mm BGS*

LD100 = Laser Diffuse 100 mm range with 120 mm BGS*

LD150 = Laser Diffuse 150 mm range with 190 mm BGS*

LD200 = Laser Diffuse 200 mm range with 280 mm BGS*

** BGS = Background Suppression*

Q8 = 5-pin Integral QD

QD models require mating cordset

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)**

MQDC1-506
2 m (6.5')
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')