



Versatile, Rugged Laser Measurement Sensor

Q4X Analog

Superior Performance: Reliably detects sub-millimeter distance changes.

Versatile

Continuous measurement of **challenging targets** from dark to reflective, out to 300 mm.

Durable

Robust housing rated to IP69K with **FDA-grade stainless steel** resists mechanical impact, over tightening and extreme vibration.

Easy to Use

Simplified user experience with a clear **analog (V or mA) or distance (mm)** readout from the angled four-digit display and easy setup with responsive buttons.



analog

BANNER®
more sensors, more solutions

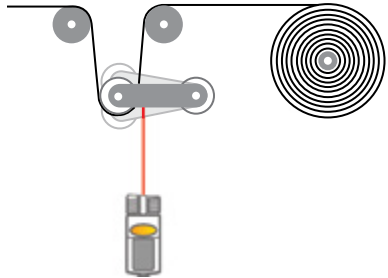




Q4X Laser
Measurement Sensor

Performance

- Solves difficult measurement applications with difficult targets, including black rubber, foam, metal or plastics of any color

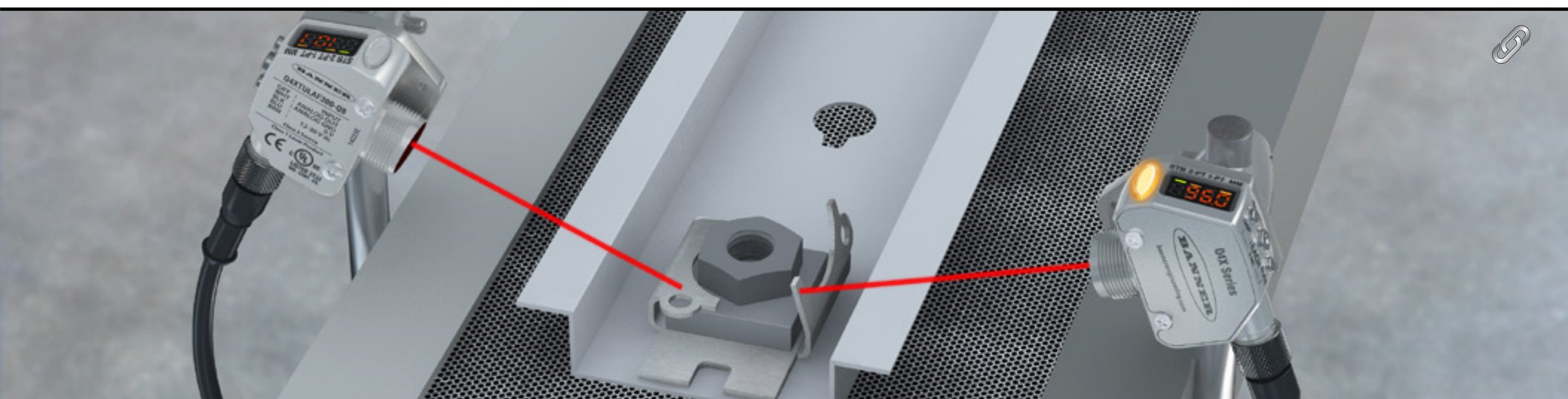
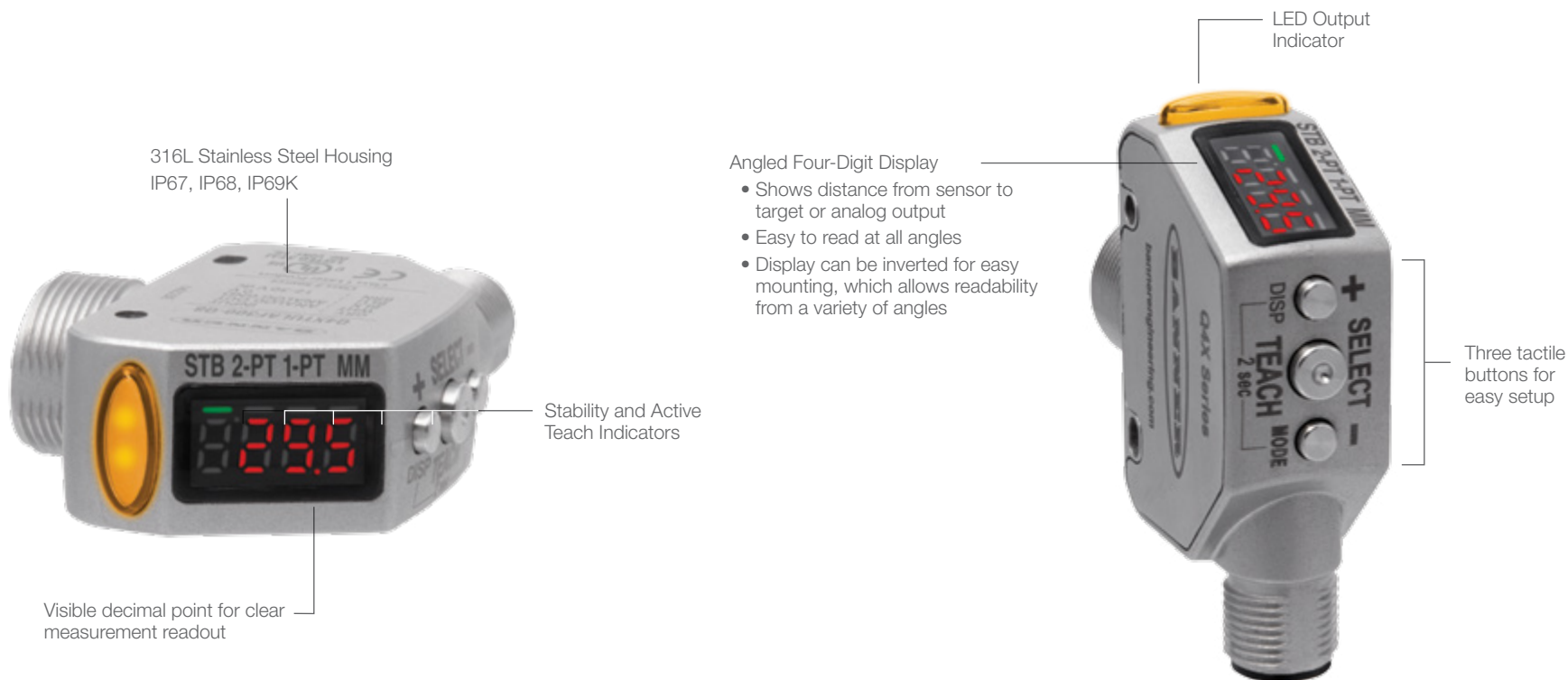


Detects sub-millimeter changes in size or position

Applications

- Fill level indication (this page)
- Part positioning (opposite page)
- Roll diameter
- Loop control
- Thickness/height verification
- Many other challenging applications







Q4X Laser
Measurement Sensor

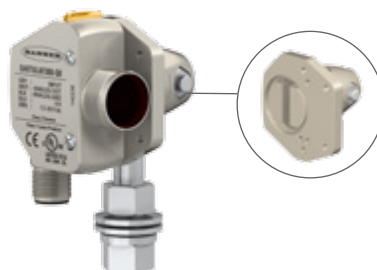


Patent pending

Family	Housing Style	Output*	Mode	Range	Connector
Q4X	T	U	LAF	300	Q8
	T = 18 mm Threaded Barrel	U = 0-10 V I = 4-20 mA	LAF = Laser Adjustable-Field	300 = 25-300 mm 100 = 25-100 mm	Q8 = 5-pin Integral QD <small>QD models require mating cordset</small>

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

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')

Order Now



Q4X Laser Measurement Sensor

Additional Resources

Link to
data sheets

WORLD-BEAM® Q12 Series Sensors
Miniature self-contained photoelectric sensors in universal housing

- Bright, visible red (660 nm) light source
- Standard models available with 4 ways 2 in (5.0 in) or 5 in (12.7 in) cables or 3 or 4 ways 100 mm (4 in) pigtail with Plug-in 1/8" threaded connector
- Single status, bipolar output: one current sourcing (PNP) and one current sinking (NPN) available on 4-way models
- Single output with status PNP or NPN standard on Q12 models
- Light Output: 0.5 in (12.7 mm) or 0.75 in (19.0 mm) depending on model
- Models available with PFA chemical-resistant jacket (200 psi maximum rated) for use in harsh environments (see Chemical-Resistant Models on page 1)
- Compact 5 mm (0.31 in) housing mounts almost anywhere
- Available enclosure ratings for applications with multiple sensors
- LED status indicators for Power On, Output Overload, Signal Received, and Marginal Signal
- Models with black housing are available

WARNING: Not To Be Used for Personnel Protection
Never use this device as a sensing device for personnel protection. Doing so could lead to injury or death. This device does not include the self-checking redundancy necessary for use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.

Chemical-Resistant Models

Sensing Mode	Model	Range
4-Way, 100 mm (4 in) Cable	Q12BSCR	
4-Way, 100 mm (4 in) Cable	Q12ABSCR	1.5 m (4.9 ft)
4-Way, 100 mm (4 in) Cable	Q12BSCR	
Performance based on use of 90% reflective white test card.		
Q12ABPFSR	13 mm (0.5 in) cable	
Q12BAPFSR	8 mm (0.3 in)	
Q12BAPFSR	None	
Q12BAPFSR	25 mm (1 in) cable	
Q12BAPFSR	14 mm (0.5 in) cable	
Q12BAPFSR	40 mm (1.6 in) cable	
Q12BAPFSR	14 mm (0.5 in) cable	

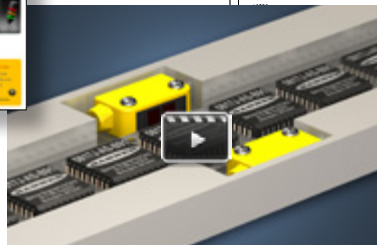
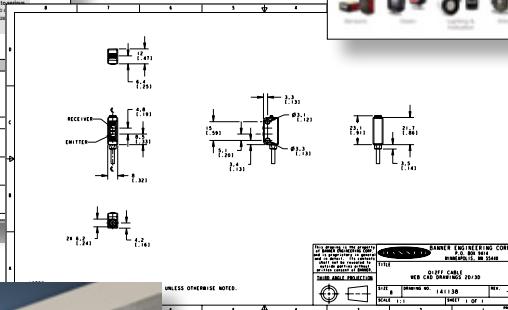


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