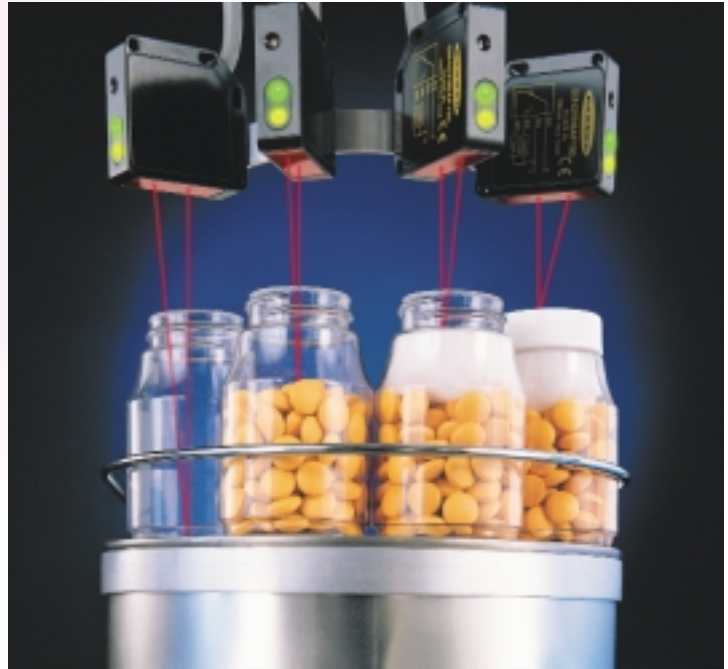


QM Series LED-based Distance Sensors

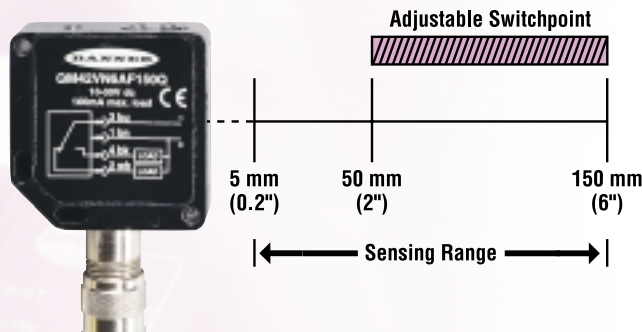
Precisely set your own ranges, electronically.†

Powerful QM Series sensors use Banners patented† PSD-based technology to electronically adjust the switching point of the discrete output based on target distance.



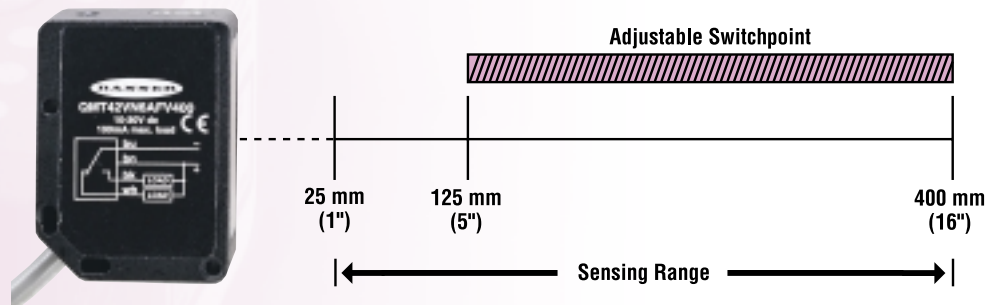
A choice of ranges & adjustable discrete output switch points.

QM Series sensors feature reliable electronic adjustment† of the switching point; there are no mechanical adjustments to worry about. Two ranges available include 5 to 150 mm (0.2" to 6") mm with discrete output switch-point adjustable from 50 to 150 mm (2" to 6") and 25 to 400 mm (1" to 16") with discrete output switch set point adjustable from 125 to 400 mm (5" to 16").



Rugged & reliable.

QM Series sensors are compact and very rugged low cost self-contained devices in metal die cast housings. They feature epoxy-encapsulated circuitry. Their leakproof IP67 (NEMA 6) construction assures reliable sensing in harsh environments. They also feature outstanding electrical noise immunity.



†U.S. Patent No. 5923427



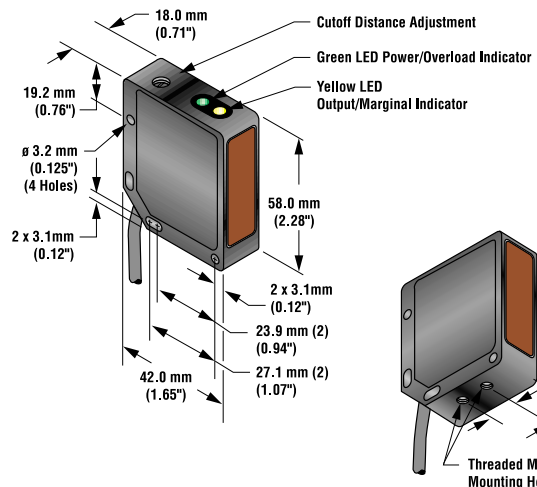
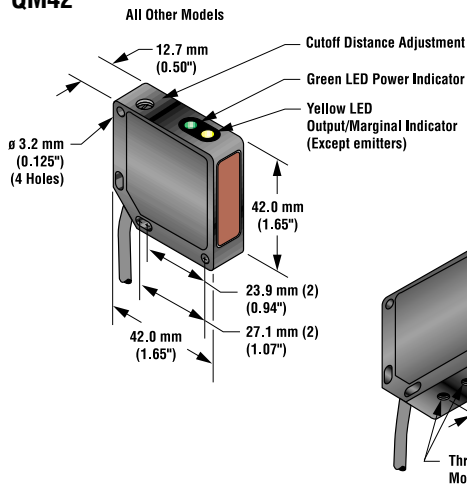
QM42 and QMT42 Adjustable Field Models

Models	Sensing Range	Switchpoint Adjustable Range	Cable*	Supply Voltage	Output Type
QM42VN6AFV150 QM42VN6AFV150Q	5 mm to 150 mm (0.2 to 6")	50 to 150 mm (2 to 6")	2 m (6.5') 4-pin Euro QD	10 to 30V dc	NPN (sinking)
QM42VP6AFV150 QM42VP6AFV150Q			2 m (6.5') 4-pin Euro QD		PNP (sourcing)
QMT42VN6AFV400 QMT42VN6AFV400Q	25 mm to 400 mm (1 to 16")	125 to 400 mm (5 to 16")	2 m (6.5') 4-pin Euro QD		NPN (sinking)
QMT42VP6AFV400 QMT42VP6AFV400Q			2 m (6.5') 4-pin Euro QD		PNP (sourcing)

*9 m (30') cables available by adding suffix "W/30" to the model number of any cabled sensor. A model with a QD connector requires a mating cable (page 16).

QM Series Specifications	
Response speed	1 ms
Outputs	Complementary NPN or PNP
Switchpoint repeatability	0.5 mm @ 100 mm (150 models) 1.5 mm @ 250 mm (400 models)
Certifications	CE
Environmental rating	IP67, NEMA 6
Datasheet reference	QM42: 48363 QMT42: 49211
	Download at www.baneng.com

QM42



QMT42