

# QS30

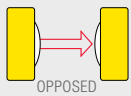
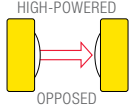
## DC-Operated Long-Range Sensors



- The QS30 DC sensor is a specialized photoelectric sensor that has high performance and long range with a consistent voltage source.
- Ability to work reliably in low contrast applications
- Ability to detect liquid in translucent and opaque bottles
- Rated to IP67 for use in harsh environments
- Cordsets and brackets see page 62

### Opposed QS30

→ Infrared LED

Sensing Mode	Range	Connection	Output Type	Model
 OPPOSED	60 m	2 m	—	QS30E Emitter*
		5-pin Euro QD		QS30EQ Emitter*
		2 m		QS30R
		5-pin Euro QD		QS30RQ
 HIGH-POWERED OPPOSED	213 m	2 m	—	QS30EX Emitter
		5-pin Euro QD		QS30EXQ Emitter
		2 m		QS30ARX
		5-pin Euro QD		QS30ARXQ
		2 m	Bipolar NPN/PNP DO	QS30RRX
		5-pin Euro QD		QS30RRXQ

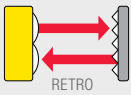



### Case Entry Detection Using Polar Retroreflective Sensors

The QS30LP verifies that there is a box present to be picked up before being sent to the palletizer. Shrink wrap is placed around the boxes on the pallet before being shipped.

### Retro & Polar Retro QS30

→ Visible Red LED

Sensing Mode	Range	Connection	Output Type	Model
 RETRO	12 m†	2 m	Bipolar NPN/PNP	QS30LV
		5-pin Euro QD		QS30LVQ
 POLAR RETRO	8 m†	2 m	Bipolar NPN/PNP	QS30LP
		5-pin Euro QD		QS30LPQ

For more specifications see page 63.

Connection options: A model with a QD requires a mating cordset (see page 62).

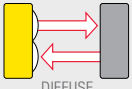
For 9 m cable, add suffix W/30 to the 2 m model number (example, QS30R W/30).

\* Standard emitters will only work with standard receivers.

† Retroreflective range is specified using one model BRT-84 retroreflector.

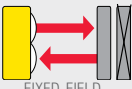
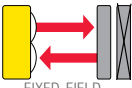
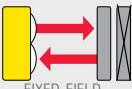
## Diffuse QS30

 Infrared LED

Sensing Mode	Range	Connection	Output Type	Model
	1 m	2 m	Bipolar NPN/PNP	QS30D
		5-pin Euro QD		QS30DQ

## Fixed-Field QS30

 Visible Red LED

Sensing Mode	Range	Connection	Output Type	Model
	200 mm Cutoff	2 m	Bipolar NPN/PNP	QS30FF200
		5-pin Euro QD		QS30FF200Q
	400 mm Cutoff	2 m	Bipolar NPN/PNP	QS30FF400
		5-pin Euro QD		QS30FF400Q
	600 mm Cutoff	2 m	Bipolar NPN/PNP	QS30FF600
		5-pin Euro QD		QS30FF600Q

For more specifications see page 63.

 Connection options: A model with a QD requires a mating cordset (see page 62).

For 9 m cable, add suffix W/30 to the 2 m model number (example, QS30D W/30).

\* Super High-Power emitters will only work with Super High-Power receivers.

† Sensors can be used at ranges greater than listed for applications that require less excess gain. Please consult the factory for assistance on your long-range applications. Actual sensing range may differ, depending on the efficiency and reflective area of the retroreflector used. See Accessories for more information.

# QS30 Water Detection

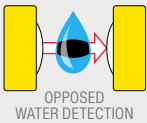
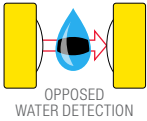
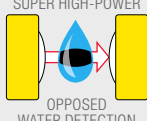
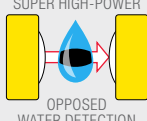
## DC-Operated Long-Range Sensors

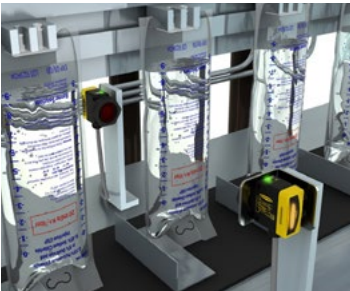


- Ability to work reliably in low contrast applications
- Ability to detect liquid in translucent and opaque bottles
- Cordsets and brackets see page 62

### Opposed Water Detection QS30

⇒ Infrared LED


Sensing Mode	Range	Connection	Output Type	Model
	4 m†	2 m	—	QS30EXH2O Emitter*
		5-pin Euro Pigtail QD	—	QS30EXH2OQ5 Emitter*
		2 m	Bipolar NPN/PNP LO	QS30ARXH2O
		5-pin Euro Pigtail QD	Bipolar NPN/PNP LO	QS30ARXH2OQ5
		2 m	Bipolar NPN/PNP DO	QS30RRXH2O
		5-pin Euro Pigtail QD	Bipolar NPN/PNP DO	QS30RRXH2OQ5
	2 m†	2 m	Analog 0-10 V	QS30RXH2OU
		5-pin Euro Pigtail QD	Analog 0-10 V	QS30RXH2OUQ5
		2 m	Bipolar NPN/PNP LO	QS30ARH2O
		5-pin Euro Pigtail QD	Bipolar NPN/PNP LO	QS30ARH2OQ5
	8 m†	2 m	Bipolar NPN/PNP DO	QS30RRH2O
		5-pin Euro Pigtail QD	Bipolar NPN/PNP DO	QS30RRH2OQ5
		2 m	—	QS30EXSH2O Emitter*
		5-pin Euro Pigtail QD	—	QS30EXSH2OQ5 Emitter*
	8 m†	2 m	Bipolar NPN/PNP LO	QS30ARXSH2O
		5-pin Euro Pigtail QD	Bipolar NPN/PNP LO	QS30ARXSH2OQ5
		2 m	Bipolar NPN/PNP DO	QS30RRXSH2O
		5-pin Euro Pigtail QD	Bipolar NPN/PNP DO	QS30RRXSH2OQ5



### Detection of Clear Liquids in Transparent Packaging

The QS30H2O effectively and accurately detects the presence or absence of water inside clear IV bags.

For more specifications see page 63.

 Connection options: A model with a QD requires a mating cordset (see page 62).

For 9 m cable, add suffix W/30 to the 2 m model number (example, QS30D W/30).

\* Super High-Power emitters will only work with Super High-Power receivers.

† Sensors can be used at ranges greater than listed for applications that require less excess gain. Please consult the factory for assistance on your long-range applications.

Actual sensing range may differ, depending on the efficiency and reflective area of the retroreflector used. See Accessories for more information.