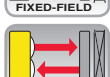
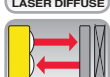
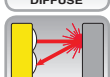
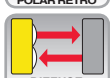
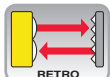
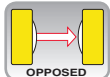


WORLD-BEAM® QS30 Series Universal Sensors



- Features compact universal housing with 30 mm threaded lens or side mounts
- Available with Class 1 visible laser in diffuse and retroreflective models and Class 2 in diffuse models, and high-power infrared in opposed mode and adjustable-field background suppression
- Features easy-to-read operating status indicators
- Provides bipolar discrete NPN or PNP outputs



QS30 DC Page 109

QS30 Universal Voltage 113



QS30

- Large bright output state indicator
- Power and signal indicators visible from 360°
- Precise fixed-field background suppression
- Configurable for LO/DO through hookup

QS30 LLP/LLPC

- Visible laser beam for ease of alignment and long-range sensing
- Excellent optical performance throughout long 18 m range
- Accurate sensing of diffuse, shiny or limited contrast targets
- Options of long-range (LLP) or high-sensitivity (LLPC) models

QS30 LD

- Compact Class 1 or Class 2 laser sensors
- Highest accuracy sensing up to 800 mm
- 8-segment LED display for easy setup
- Convenient push-button TEACH for fine tuning

QS30 AF

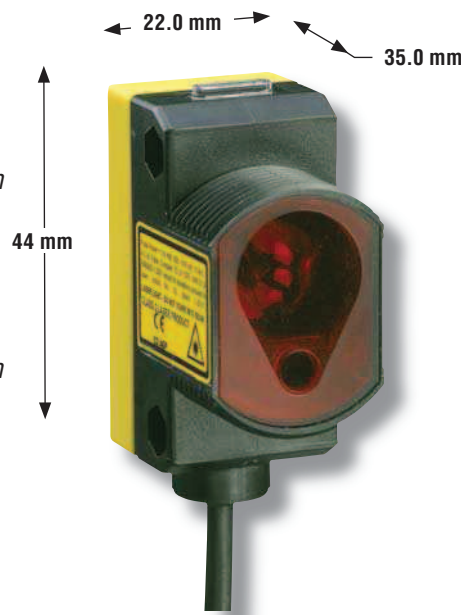
- Push-button SET adjustable-field background suppression
- Easy push-button SET options: Background Suppression SET, Object Detection SET, and Dynamic SET via remote wire
- Easy push-button NO/NC and output OFF-delay setup

QS30 Universal Voltage

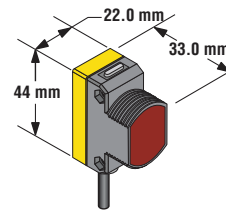
- Universal voltage for use anywhere regardless of supply voltage
- Operation from 12 to 250V dc or 24 to 250V ac
- Convenient SPDT electromechanical relay to switch up to 5 A

WORLD-BEAM® QS30 DC Sensors

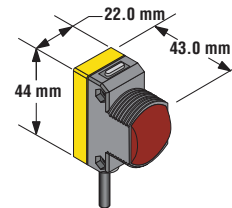
- Popular 30 mm threaded lens or side mount
- Two bright LED indicators visible from 360°
- Extra-large Output indicator on some models
- IP67 or IP69K environmental rating, depending on model
- Choice of 2 m integral or 5-pin Euro-style quick-disconnect cable



Detailed Dimensions



Opposed, Retroreflective, Diffuse and Fixed-field Models
Suffix E, R, LP, FF, LV and D



Opposed High-Power Models
Suffix EX and RX

Polarized Retroreflective, Diffuse and Adjustable-field Models
Suffix LLP, LLPC, LD, LDL and AF

WORLD-BEAM® QS30, 10-30V dc



Model	Sensing Mode/LED*	Laser Class	Range	Cable**	Output Type	Excess Gain	Beam Pattern	Data Sheet
QS30E Emitter QS30EQ Emitter	 OPPOSED	—	60 m	2 m	—	EGCO-20 (p. 429)	BPO-20 (p. 451)	119165
QS30R Receiver QS30RQ Receiver				5-pin Euro QD				
QS30EX Emitter QS30EXQ Emitter	 HIGH-POWERED OPPOSED	—	213 m	2 m	Bipolar NPN/PNP LO	EGCO-21 (p. 429)	BPO-21 (p. 451)	115011
QS30ARX Receiver QS30ARXQ Receiver				5-pin Euro QD				
QS30RRX Receiver QS30RRXQ Receiver				2 m				
QS30LV QS30LVQ	 RETRO	—	12 m†	2 m	Bipolar NPN/PNP	EGCR-28 (p. 432)	BPR-27 (p. 454)	119165
QS30LP QS30LPQ				5-pin Euro QD				
	 POLAR RETRO	—	8 m†	2 m		EGCR-29 (p. 432)	BPR-28 (p. 454)	

* Visible Red LED Infrared LED

** For 9 m cable, add **W/30** to the 2 m model number (example, **QS30LP W/30**). A QD model requires a mating cable (see page 382).

† Retroreflective range is specified using model BRT-84 retroreflector. Actual sensing range may differ, depending on efficiency and reflective area of the retroreflector in use. See Accessories for more information.