

 **WORLD-BEAM®**

QS30H20

High-power, infrared sensor for reliable detection of water and water-based liquids

- Emits light that water-based liquids will attenuate, enhancing contrast in challenging low-contrast applications
- Detects water-based liquids including liquor, beer, shampoos, conditioners, lotions and sauces
- Passes through many plastic and glass containers
- Penetrates many labels (material thickness and type dependent)
- Resists harsh environments with rugged IP67 housing and encapsulated electronics, up to 1200 psi washdown
- Offers choice of 10 to 30V dc operation with bipolar, NPN and PNP output or 15 to 30V dc with analogue (0-10V) output
- Operating temperature from -20° to 60° C
- Includes accessory apertures to attenuate or shape the beam



BANNER®

more sensors, more solutions

Banner Engineering Europe
Park Lane, Culliganlaan 2F
1831 Diegem
Belgium
+32 2 456 07 80
www.bannereurope.com

QS30H20
Opposed-Mode Water Sensors

WORLD-BEAM® QS30H2O

Highly visible power and signal LED indicators

Robust housing with 30 mm threaded barrel and integrated side mount

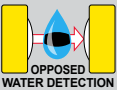
Choice of different connection types

- 2 m or 9 m attached cable
- 5-pin M12 pigtail quick-disconnect (suffix...Q5)

Applications

- Fluid filled IV bags
- HDPE milk containers
- Clear glass test tubes
- Colored PET beverage bottles
- Etched or frosted glass containers
- Liquid point level in sight glass
- Thin walled PFA/FEP tubes
- Nozzle spray verification

Models




Sensing Mode	Model	Range	Output
 <p>Opposed (Effective Beam: 13 mm) 1450 nm infrared</p>	QS30EXH2O	-	-
	QS30EXH2OQ5		
	QS30ARH2O	2 m	Bipolar NPN/PNP LO
	QS30ARH2OQ5		
	QS30RRH2O		
	QS30RRH2OQ5		
	QS30ARXH2O	4 m	Bipolar NPN/PNP LO
	QS30ARXH2OQ5		
	QS30RRXH2O		
	QS30RRXH2OQ5		
	QS30RXH2OU	4 m	0-10V Analogue
	QS30RXH2OUQ5		



Brackets



Apertures

Aperture	Model	Description
	APQS30-040*	1 mm dia. - 6 each
	APQS30-100	2,5 mm dia. - 6 each
	APQS30-200	5 mm dia. - 6 each
	APQ30-040H*	1 x 12 mm dia. - 6 each
	APQS30-100H	2,5 x 12 mm dia. - 6 each
	APQS30-200H	5 x 12 mm dia. - 6 each
	APQ30-040V*	1 x 17 mm dia. - 6 each
	APQ30-100V	2,5 x 17 mm dia. - 6 each
	APQ30-200V	5 x 17 mm dia. - 6 each

* Included with each emitter/receiver, the use of apertures will reduce the excess gain.

SENSORS



VISION



WIRELESS I/O



INDICATORS



SAFETY



Banner offers a full range of sensing solutions

BANNER ENGINEERING EUROPE
WWW.BANNEREUROPE.COM

BANNER