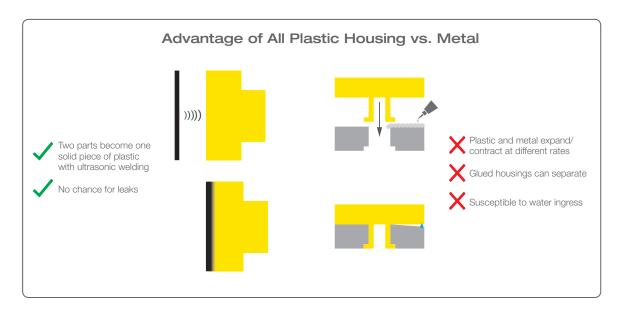


- ECOLAB™ certified FDA grade plastic housing
- Ultrasonically welded joints for superior sealing and durability
- Improved hygienic design for easier cleaning



Next Generation of Washdown Sensors





Challenge

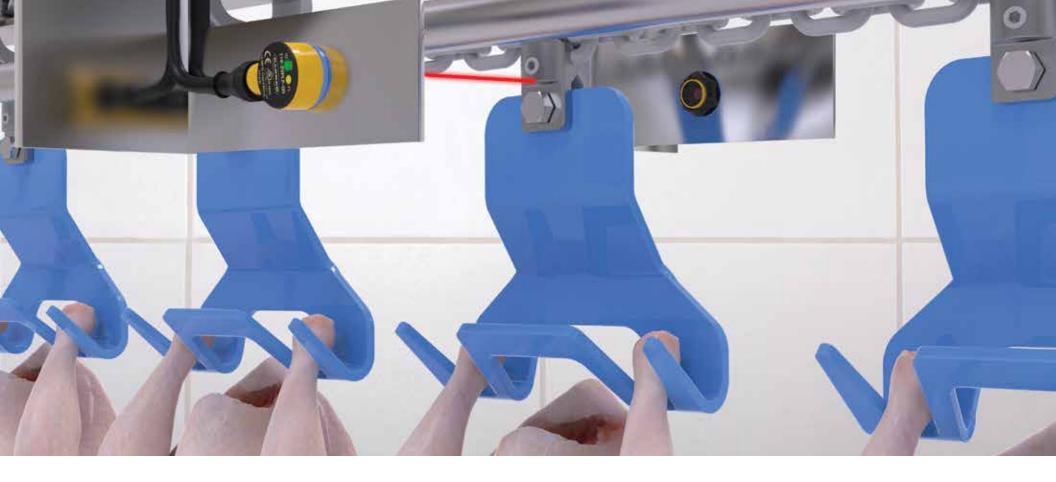
- 1500 psi high pressure water washdown
- Harsh chemicals used in cleaning can deteriorate certain materials over time
- Temperature cycling; sensors are cleaned with 80 °C water and returned to cool environment creating condensation in the sensor
- Temperature cycling causes expansion and contraction of materials

Solution

- IP67/IP69K rating with ultrasonically welded joints to prevent water ingress
- FDA approved housing passed ECOLAB™ submersion testing for 28 days in a range of chemicals
- Fully epoxy potted to eliminate internal air gaps that allow condensation
- Plastic materials, that expand and contract at the same rate and are ultrasonically welded, will not weaken due to temperature cycling

Emitter/Receiver

Туре	Range (m)	Output	Model*
	25 m (82 ft)		T18-2NAEL-Q8
Emitter	25 m (82 ft) with beam inhibit	None	T18-2NAEJ-Q8
	25 m (82 ft) with LED adjustment potentiometer		T18-2NAES-Q8
	05 (00.5)	nibit None Istment r Complementary NPN Complementary PNP Complementary NPN Complementary NPN Complementary NPN Complementary NPN Complementary NPN Complementary NPN Complementary	T18-2VNRL-Q8
	25 m (82 ft)		T18-2VPRL-Q8
Receiver	25 m (82 ft) with		T18-2VNRS-Q8
	gain adjustment potentiometer		T18-2VPRS-Q8



Polarized Retroreflective

Range (m)	Output	Model*
6 m (19.7 ft) with	Complementary NPN	T18-2VNLP-Q8
BRT-84 reflector	Complementary PNP	T18-2VPLP-Q8
6 m (19.7 ft) with BRT-84 reflector, with	Complementary NPN	T18-2VNLPC-Q8
gain adjustment potentiometer	Complementary PNP	T18-2VPLPC-Q8

- * Integral 4-pin M12/Euro-style quick disconnect models are listed.
 To order the 2 m (6 ft) cable model, replace the suffix "-Q8" with "-2M"
- To order the 9 m (30 ft) cable model, replace the suffix "-Q8" with "-9M"

Diffuse

Range (m)	Output	Model*	
750 mm (29.5 in) with adjustment 300 mm (11.8 in) with gain adjustment potentiometer	Complementary NPN	T18-2VNDL-Q8	
	Complementary PNP	T18-2VPDL-Q8	
in) with gain	Complementary NPN	T18-2VNDS-Q8	
	Complementary PNP	T18-2VPDS-Q8	

Fixed Fie	eld	Visible Red	
Range (m)	Output	Emitter Models*	Infrared Emitter Models*
30 mm	Complementary NPN	T18-2VNFF30-Q8	T18-2VNFF30IR-Q8
30 11111	Complementary PNP	T18-2VPFF30-Q8	T18-2VPFF30IR-Q8
50 mm	Complementary NPN	T18-2VNFF50-Q8	T18-2VNFF50IR-Q8
	Complementary PNP	T18-2VPFF50-Q8	T18-2VPFF50IR-Q8
7E 100100	Complementary NPN	T18-2VNFF75-Q8	T18-2VNFF75IR-Q8
75 mm	Complementary PNP	T18-2VPFF75-Q8	T18-2VPFF75IR-Q8
100 mm	Complementary NPN	T18-2VNFF100-Q8	T18-2VNFF100IR-Q8
100 mm	Complementary PNP	T18-2VPFF100-Q8	T18-2VPFF100IR-Q8
150 mm	Complementary NPN	T18-2VNFF150-Q8	T18-2VNFF150IR-Q8
150 mm	Complementary PNP	T18-2VPFF150-Q8	T18-2VPFF150IR-Q8
000 000	Complementary NPN	T18-2VNFF200-Q8	T18-2VNFF200IR-Q8
200 mm	Complementary PNP	T18-2VPFF200-Q8	T18-2VPFF200IR-Q8



Drder Now



10 V dc to 30 V dc for ambient temperature ≤ 55 °C Supply Voltage 10 V dc to 24 V dc for ambient temperature > 55 °C

Construction PBT Polyester: Housing, M12 QD, cover, indicator cover and

gain pot driver

PMMA Acrylic: Indicator light pipes

Indicators Two LEDs (1 green, 1 amber)

Green Solid: Indicates power applied and sensor ready Green flashing: Indicates marginal sensing signal Amber solid: Indicates Pin-4 (black wire) conducting

Environmental

Rating

IEC IP67 per IEC60529 IEC IP68 per IEC60529 IEC IP69K per DIN 40050-9

Operating Conditions

Temperature: -40 to +70 °C

Certifications

BRT-2X2





Accessories



SMB18A



SMBAMS22P add -SS to model number for stainless steel models



SMB18FA



ACC-T18-2-GSK-FDA-10 sold in packs of 10



BRT-84



4-pin M12 Euro-Style Washdown IP69K Straight stainless steel connector models listed

4-Pin Euro-Style

Straight connector models

listed; for right-angle models, add RA to the

MQDC-406 2 m (6.5') MQDC-415 5 m (15') MQDC-430 9 m (30')











