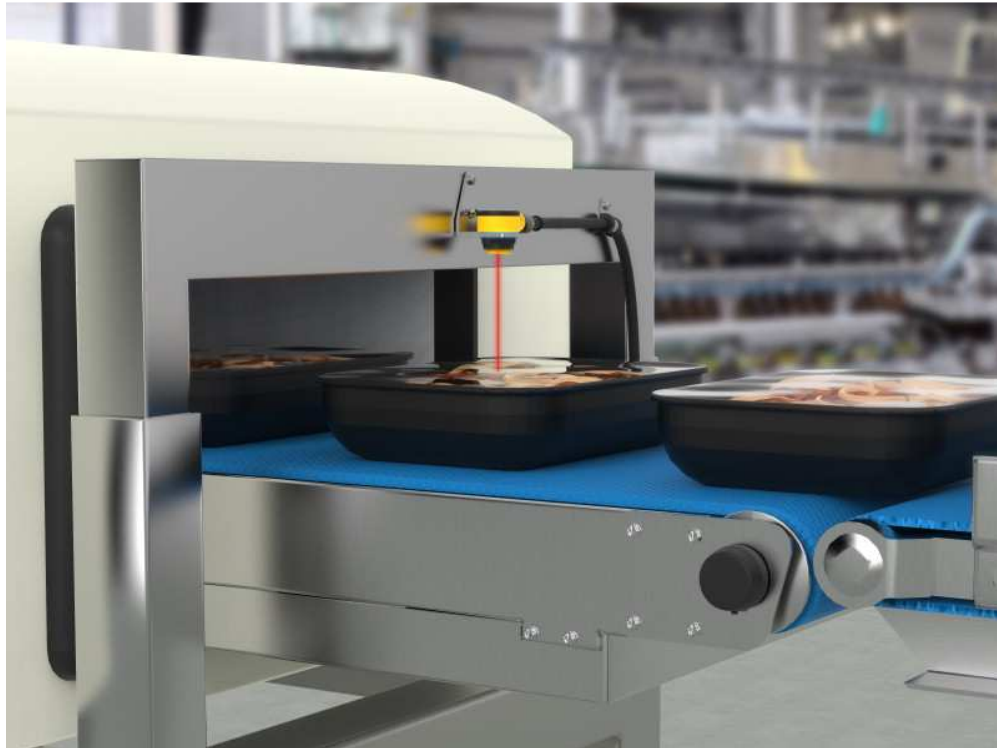


Application Note – T18-2 Washdown Sensor

Triggering Checkweigh Station

Challenge

- Checkweighers are subject to frequent high pressure high temperature washdown
- Exposure to harsh chemicals can degrade certain materials over time
- Thermal cycling creates condensation in sensors and breaks down adhesive joints



Features

- IP69K-rated
- Ecolab certified
- Ultrasonically welded joints
- Epoxy encapsulated

Benefits

- Tested to withstand 1200 PSI and 180 °F washdown
- ECOLAB rated and chemically compatible with many washdown chemicals
- Ultrasonically welded joints create one-piece housing with no need for adhesives that may fail
- Epoxy-filled housing fills air gaps inside sensor to minimize chance of internal condensation

Product Information

T18-2 Washdown Sensor

Features

- Highly visible output and dual-function power and stability indicators
- Laser etched markings for longevity
- Powerful and bright visible red emitter for easy alignment and setup, excluding IR models
- Operates in temperatures ranging from -40 to +70 °C
- IP69K washdown rated & ECOLAB™ certified

Part Numbers

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

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

Fixed Field			
Range (m)	Output	Visible Red Emitter Models	Infrared Emitter Models
30 mm	Complementary NPN	T18-2VNFF30-Q8	T18-2VNFF30IR-Q8
	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
75 mm	Complementary NPN	T18-2VNFF75-Q8	T18-2VNFF75IR-Q8
	Complementary PNP	T18-2VPFF75-Q8	T18-2VPFF75IR-Q8
100 mm	Complementary NPN	T18-2VNFF100-Q8	T18-2VNFF100IR-Q8
	Complementary PNP	T18-2VPFF100-Q8	T18-2VPFF100IR-Q8
150 mm	Complementary NPN	T18-2VNFF150-Q8	T18-2VNFF150IR-Q8
	Complementary PNP	T18-2VPFF150-Q8	T18-2VPFF150IR-Q8
200 mm	Complementary NPN	T18-2VNFF200-Q8	T18-2VNFF200IR-Q8
	Complementary PNP	T18-2VPFF200-Q8	T18-2VPFF200IR-Q8

Emitter/Receiver			
Type	Range (m)	Output	Model
Emitter	25 m (82 ft)	None	T18-2NAEL-Q8
	25 m (82 ft) with beam inhibit		T18-2NAEJ-Q8
	25 m (82 ft) with LED adjustment potentiometer		T18-2NAES-Q8
Receiver	25 m (82 ft)	Complementary NPN	T18-2VNRL-Q8
		Complementary PNP	T18-2VPRL-Q8
	25 m (82 ft) with gain adjustment potentiometer	Complementary NPN	T18-2VNRS-Q8
		Complementary PNP	T18-2VPRS-Q8

Accessories

