

# T4 Personal 4 Gas Monitor

T4 integrates innovative safety features and an intuitive, rugged design to provide advanced protection for those working in harsh environments. This portable multigas detector, which is exceptionally easy to use and service, protects against the four most prevalent gas hazards: carbon monoxide (CO), hydrogen sulphide (H<sub>2</sub>S), flammable gases and oxygen (O<sub>2</sub>) depletion.



## Features

- ✓ TWA resume function
- ✓ Long battery life
- ✓ Backlit display with 180° screen flip option.
- ✓ Rugged design
- ✓ Water & dust resistant
- ✓ Positive safety indicator
- ✓ Intrinsically safe
- ✓ Multiple alarms
- ✓ Easy operation with large single button and intuitive menu system

## Gases and ranges

Gas	Range	Resolution
Oxygen (O <sub>2</sub> )	0-30% vol.	0.1% vol.
Oxygen (O <sub>2</sub> ) Long Life	0-25% vol.	0.1% vol.
Hydrogen sulphide (H <sub>2</sub> S)	0-100ppm	1ppm
Carbon monoxide (CO)	0-1000ppm	1ppm

## Product variants and options

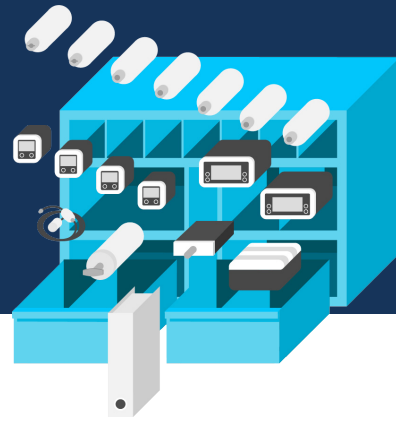
Gas Sensor Option	Configurations								
	2 gas			3 gas			4 gas		
Oxygen (O <sub>2</sub> )	X	X	X	X	X	X	X		
Oxygen (O <sub>2</sub> ) Long Life								X	X
Flammable Pellistor	X		X	X	X	X	X	X	X
Hydrogen sulphide (H <sub>2</sub> S)			X				X	X	X
Carbon monoxide (CO)		X		X			X		X
Carbon monoxide (CO) - H <sub>2</sub> immune					X		X	X	

## Specification

Size		135 x 80 x 35mm (5.3 x 3.1 x 1.4in)
Weight		282g (9.9oz)
Durability		Drop tested 4m onto concrete
Alarms	Audible Vibrating Visible	95dB Integrated Bright red & blue LED's
Display		Front mounted, backlit, 180° flip for easy viewing while worn
Logging	Data Events	130 hours of data at 10s intervals 3,500
Battery	Rechargeable Li-ion	Up to 18 hour runtime; 5.5 hour recharge
Environment	Operating temp Humidity Ingress protection	-20 to +55°C (-4°F to +131°F)* 10-95% RH @ 40°C non-condensing Independently tested to IP65 and IP67
Compliance	EMC	Directive 2014/30/EU
Approvals	T4	ATEX and UKCA: II 2 G Ex db ia IIC T4 Gb Tamb -20°C to +55°C (T4 Type 2) IECEx : Ex db ia IIC T4 Gb -20°C ≤ Ta ≤ +55°C (T4 Type 2) UL USA and cUL: Use in hazardous locations Class 1 Div 1 groups A,B,C,D only as to intrinsic safety INMETRO: Ex db ia IIC T4 Gb -20 °C ≤ Ta ≤ +55 °C CMED: Directive 2014/90/EU
Accessories	Included with T4	Integrated alligator clip and tethering loop Bump/calibration plate
	Available separately	Single unit cradle charger; 10 unit cradle charger; Vehicle charger Clip on dust filter plate I-Test automated bump test and calibration station
Crowcon Connect Compatible?	Yes	

\*Toxic and oxygen sensors are not rated for continuous operation above 50°C (122°F)

# The Bruusgaard System



TBS is a unique turnkey portable gas detection solution, giving you increased safety and substantial cost savings through standardised instruments, routines, training and procurement.

## Logistic Support

At any given time we know the status of all vessels and sites covered by The Bruusgaard System. We consolidate all shipments and make sure you have everything you need on board until next scheduled delivery. This results in fewer shipments and substantial savings!

- Year round follow up of instruments, spares and consumables
- Handling of all shipments & logistics
- Annual reports per vessel including budgeting



## Safety

QA – strict routines and logging

- Crew are able to use instruments and follow routines correctly
- Instruments are in proper working condition at all times
- Instruments are calibrated at correct intervals
- Sensors and other items are replaced at correct intervals
- Usage of instruments is logged, including abnormal observations
- Traceability – instrument history and usage
- Routines and procedures can merge into the overall QA-system

Effective and proven training is an integrated part of The Bruusgaard System.

## Instruments

All the equipment used for gas detection and calibration is placed in a custom-made wall cabinet. Including Log & Instruction Manual, which are crucial to maintaining the safety integrity.

- Standardised vessel specific gas detector solutions
- Total solutions including all equipment and routines necessary for efficient and safe use, storage and maintenance

## Cost Savings

Some of our customers have been able to go from 8 to 10 suppliers down to 1 – translating into cost savings of up to 40-50%. For one vessel, this could be thousands of dollars annually, and for a whole fleet, the cost savings can be dramatic. This is achieved through:

- One contact for worldwide supply of spares & gases
- All service and calibration can be done on site.
- Reductions of instrument types from 10-12 to 2-3

Reduced maintenance costs through:

- On board calibration
- Fewer instruments on board
- No need for spares on board
- One PO per year
- Increased safety
- Less use of administrative time