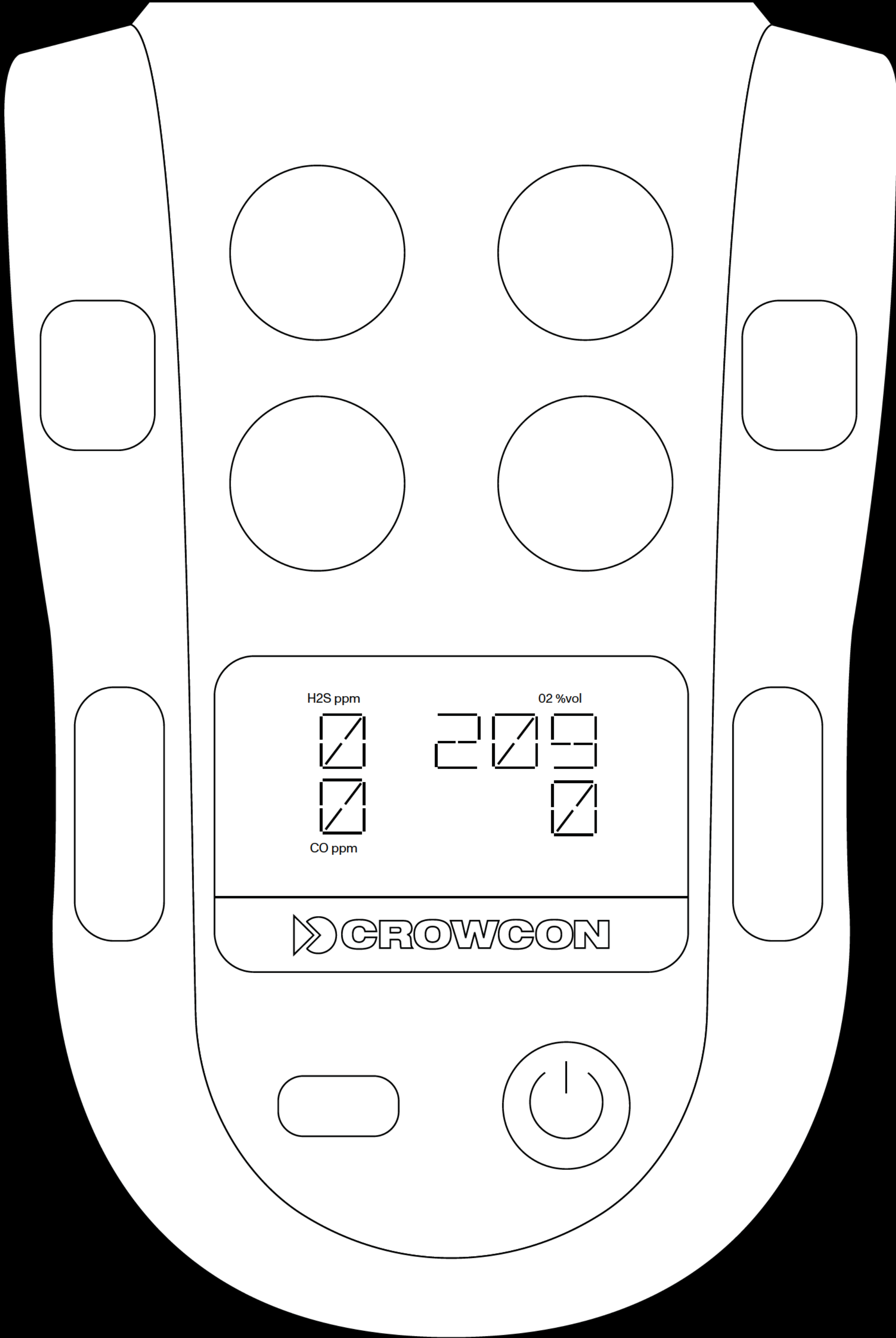


# T4

## Personal 4 Gas Monitor



### Datasheet







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 (H2S), flammable gases and oxygen (O2) depletion.

T4x

T4x helps ensure compliance across site by eliminating the need to ensure each device is calibrated for the relevant flammable gas as it accurately detects more than 15 flammable gases, in any mix, at once, while being Type 1. Being poison resistant and with battery life doubled, operators are more likely to never be without a device. T4x reduces the 5 year total cost of ownership by over 25% and saves 12g of lead per detector which makes it easier to recycle at the end of its life, and better for the planet.

| Features                                  |  |
|---|--|
| TWA resume function                       | Unique to T4, this innovative feature ensures toxic gas exposure is calculated accurately over an entire shift, even if T4 is switched off for a break or during travel to another site.   |
| Battery life                              | T4: Safely work multiple or longer shifts between charges, covered by the 18 hour battery life.<br>T4x: 35+ hours battery (double the battery life of our original T4) allows multiple or longer shifts to be worked between recharging. |
| Backlit display                           | Large, clear display with backlight and option to flip the screen 180° for easy viewing whilst worn.   |
| Rugged design                             | With a thick anti-shock rubber casing and drop tested to 4 metres on concrete, T4 provides dependable operation under the most demanding use.  |
| Water and dust resistant to IP65 and IP67 | Provides protection in the harshest environments.  |
| Dedicated sensors                         | One sensor for every gas ensures effective, fast and reliable detection.   |
| Positive safety indicator                 | A simple ‘traffic light’ status indicator which, at a glance, provides visual assurance of operational and compliance status to both users and supervisors.<br>Green light - Working safely<br>Red light - Attention required            |
| Intrinsically safe                        | T4: ATEX approved and UL Class 1 Div 1 for safe operation in a wide range of hazardous environments.<br>T4x: ATEX Type 1 (Zone 0) approved and UL Class 1 Division 1 allows for interrupted working in the most demanding environments.  |
| Multiple alarms                           | Audible 95dB alarm, bright red/blue LED’s and vibrating alerts provide effective warning to gas hazards.   |
| Easy operation                            | Large single button and intuitive menu system minimise training and allow easy operation whilst wearing gloves.  |





# Gases and ranges

| Gas                     | Campo di misura | Allarmi tipici |
|-------------------------|-----------------|----------------|
| Oxygen (O2)             | 0-30 % vol.     | 0,1 % vol.     |
| Oxygen (O2) Long Life   | 0-30% vol       | 0.1% vol.      |
| Flammable               | 0-100 % LEL     | 1% LEL         |
| Hydrogen sulphide (H2S) | 0-100ppm        | 1 ppm          |
| Carbon monoxide (CO)    | 0-1000ppm       | 1 ppm          |

# Product variants and options

| Gas Sensor Options               |       | Configurations |       |   |   |       |   |   |     |   |   |   |
|----------------------------------|-------|----------------|-------|---|---|-------|---|---|-----|---|---|---|
|                                  | 2 gas |                | 3 gas |   |   | 4 gas |   |   |     |   |   |   |
|                                  |       |                |       |   |   | New   |   |   | New |   |   |   |
| Oxygen (O2)                      | ●     | ●              | ●     | ● | ● |       | ● | ● |     |   |   |   |
| Oxygen (O2) Long Life            |       |                |       |   |   | ●     |   |   | ●   | ● | ● | ● |
| Flammable MPS TM                 |       |                |       |   |   | ●     |   |   | ●   | ● | ● | ● |
| Flammable Pellistor              | ●     |                | ●     | ● | ● |       | ● | ● | ●   | ● |   |   |
| Hydrogen sulphide (H2S)          |       |                | ●     |   |   |       | ● | ● | ●   | ● | ● | ● |
| Carbon monoxide (CO)             |       | ●              |       | ● |   |       | ● |   |     | ● | ● |   |
| Carbon monoxide (CO) - H2 immune |       |                |       |   | ● | ●     |   | ● | ●   |   |   | ● |

|                                |  |  |
|--------------------------------|--|--|
| Specification                  |  |  |
| Size                           |  | 135x80x35mm(5.3x3.1x1.4in)   |
| Weight                         |  | 282 g (9,9 oz)   |
| Durability                     |  | Drop tested 4m onto concrete   |
| Alarms                         | Audible<br>Vibrating<br>Visible                  | 95dB<br>Integrated<br>Bright red and blue LED's  |
| Display                        |  | Front mounted, backlit, 180° flip for easy viewing while worn  |
| Logging                        | Data<br>Events                                   | 130 hours of data at 10s intervals<br>3,500  |
| Battery                        | Rechargeable<br>Li-ion                           | Up to 18 hour runtime; up to 35 hours run time with MPSTM sensor fitted; 5.5 hour recharge   |
| Environment                    | Operating temp<br>Humidity<br>Ingress protection | -20 to +55°C (-4°F to +131°F)*<br>10-95% RH @ 40°C non-condensing<br>Independently tested to IP65 and IP67   |
| Compliance                     | EMC  | Directive 2014/30/EU   |
| Approvals                      | T4   | ATEXandUKCA:II2GExdbiallCT4Gb Tamb -20°C to +55°C (T4 Type 2)<br>IECEEx:ExdbiallCT4Gb-20°C≤Ta≤+55°C(T4Type2) UL USA:<br>Use in hazardous locations Class 1 Div<br>1 groups A,B,C,D only as to intrinsic safety INMETRO:ExdbiallCT4Gb-<br>20°C≤Ta≤+55°C MED: Directive 2014/90/EU |
|                                | T4x  | ATEXandUKCA:II1GExiallCT4Ga -20°C ≤ Ta ≤ +55°C (T4 Type 1)<br>IECEEx:ExiallCT4Ga-20°C≤Ta≤+55°C(T4Type1) UL USA: Use in hazardous<br>locations Class 1 Div 1 groups A,B,C,D only as to intrinsic safety MED:<br>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;<br>Vehicle charger Clip on dust filter plate<br>I-Test automated bump test and calibration station   |
| *                              |  | *Toxic and oxygen sensors are not rated for continuous<br>operation above 50°C (122°F)   |
| Crowcon Connect<br>Compatible? |  | Yes  |

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