

GasHawk

Personal Gas Monitor

TX7000



TROLEX

Engineered for efficiency. Built to last



The world's foremost personal gas detector for mining

Everything we've learned in 60 years of serving the mining industry goes into our products. That's why GasHawk is tough, reliable and easy to use - and delivered at a cost that allows you to give your people the best protection available at honest prices.

- Inductive charging system with no exposed contacts, which eliminates charge failure due to corrosion, build-up of dirt and dust, and failure to engage contacts
- Charging intervals are massively reduced - with up to 7 days continuous use even with infra-red sensors operating
- Intrinsically safe battery pack can be changed-out even in the hazardous area
- Up to 6 gases monitored simultaneously
- Optional integrated pump for remote sampling and confined space entry applications
- Bright, clear illuminated display for easy viewing in varying light conditions
- Full data-logging and easy-download feature allows you to demonstrate compliance
- Multiway stack charger for space-saving desktop charging

Charge less

GasHawk delivers up to a full week's battery life even with infra-red sensors installed. The unit employs superior engineering for operational efficiency, with its inductive wireless charging system and a hot-swap battery that can be changed out even in the hazardous area. GasHawk delivers long lasting protection so that your people can produce more and charge less.

GasHawk provides reliable accurate monitoring in the harshest conditions. IP67 rated and IECEx/ATEX M1/Ma approved, GasHawk is tough, rugged and built to last.

To find out how long your GasHawk will run continuously before needing to be charged contact us to discuss your preferred configuration.

sales@trolex.com



You pay **80% less** than from our competitors

All consumables for GasHawk are passed on to our customers at cost price – which means on average you pay a massive 80% less than from our competitors. All replacement cells are included in this offer which will typically reduce your cost of ownership by over 50%.



TX7002
5 Way Horizontal Charge Station

Up to six gases

A wide range of toxic and flammable gases can be monitored simultaneously, and selected gases have STEL and TWA alerts. Any exceeded gas set point triggers an audible warning, multi colour LED visual and vibrating alerts to the user. Alarm set point levels can be configured to suit local working conditions.

Designed for rapid response using a choice of advanced gas detection technologies:

SENSOR A

O ₂	Oxygen	0 to 25% v/v	Electrochem
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SENSOR B

CO	Carbon Monoxide	0 to 1000 ppm	Electrochem
CL ₂	Chlorine	0 to 10 ppm	Electrochem
H ₂	Hydrogen	0 to 1000 ppm	Electrochem
H ₂ S	Hydrogen Sulphide	0 to 50 ppm	Electrochem
NO	Nitric Oxide	0 to 50 ppm	Electrochem
NO ₂	Nitrogen Dioxide	0 to 20 ppm	Electrochem
SO ₂	Sulphur Dioxide	0 to 20 ppm	Electrochem
CO	Carbon Monoxide	0 to 500 ppm	Electrochem
+			Dual
H ₂ S	Hydrogen Sulphide	0 to 200 ppm	Electrochem
H ₂ S	Hydrogen Sulphide	0 to 200 ppm	Electrochem
+			Dual
SO ₂	Sulphur Dioxide	0 to 20 ppm	Electrochem





SENSOR C

CO	Carbon Monoxide	0 to 1000 ppm	Electrochem
Cl ₂	Chlorine	0 to 10 ppm	Electrochem
H ₂	Hydrogen	0 to 1000 ppm	Electrochem
H ₂ S	Hydrogen Sulphide	0 to 50 ppm	Electrochem
NO	Nitric Oxide	0 to 50 ppm	Electrochem
NO ₂	Nitrogen Dioxide	0 to 20 ppm	Electrochem
SO ₂	Sulphur Dioxide	0 to 20 ppm	Electrochem

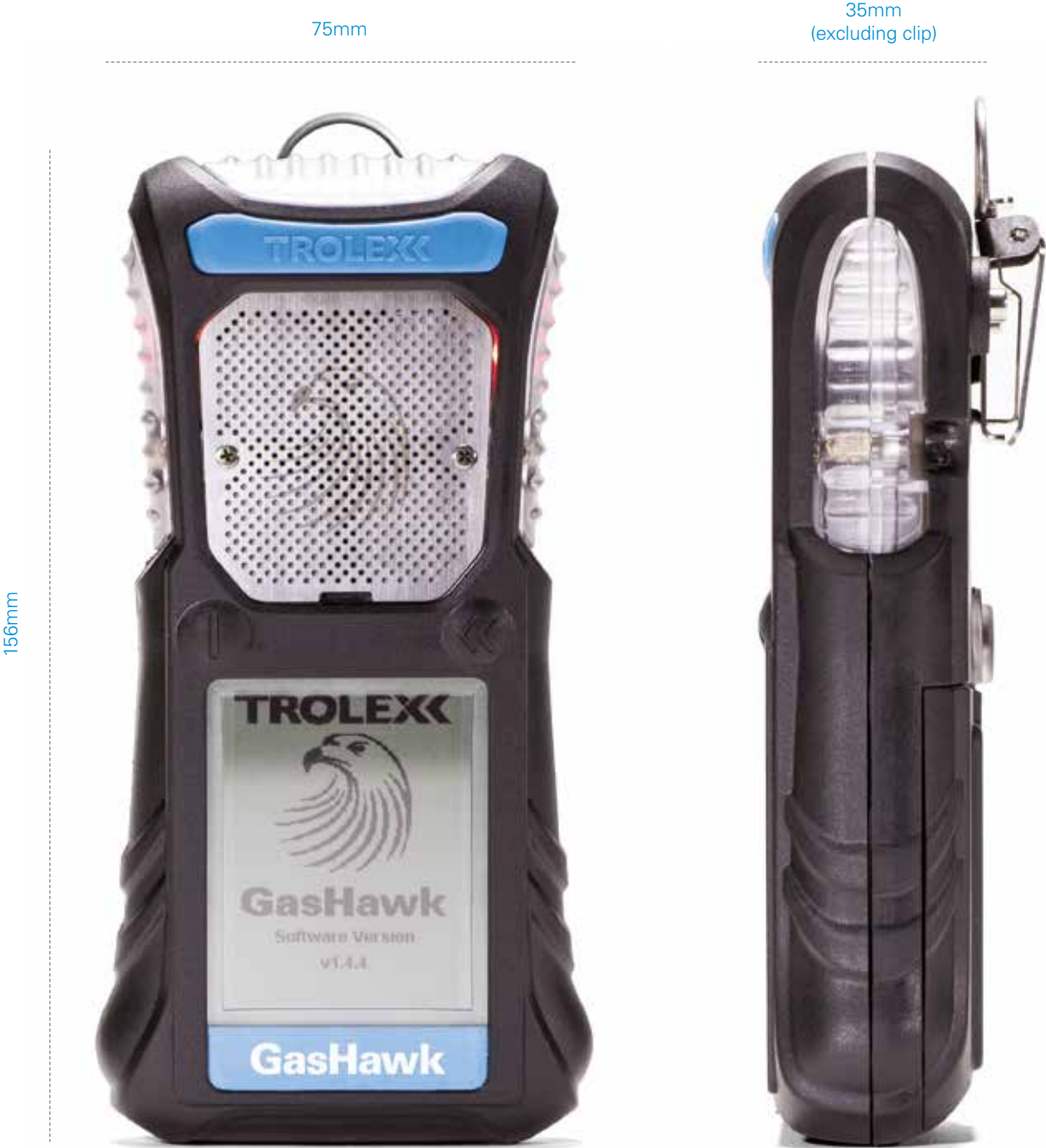
SENSOR D

CH ₄	Methane	0 to 5% v/v	Catalytic
CH ₄	Methane	0 to 100% LEL (4.4%)	Catalytic
CH ₄	Methane	0 to 100% LEL (5%)	Catalytic
CH ₄	Methane	0 to 5% v/v	Infra Red
CH ₄	Methane	0 to 100% LEL (4.4%)	Infra Red
CH ₄	Methane	0 to 100% LEL (5%)	Infra Red
CH ₄	Methane	0 to 5% v/v	Infra Red
+			Dual
CO ₂	Carbon Dioxide	0 to 5% v/v	Infra Red
CH ₄	Methane	0 to 100% LEL (4.4%)	Infra Red
+			Dual
CO ₂	Carbon Dioxide	0 to 5% v/v	Infra Red
CH ₄	Methane	0 to 100% LEL (5%)	Infra Red
+			Dual
CO ₂	Carbon Dioxide	0 to 5% v/v	Infra Red

Specifications

Operating temperature:	-20°C to +50°C
Storage temperature:	-20°C to +50°C
Humidity:	0 to 95% RH (non condensing)
Housing:	Moulded polymer with integral resilient over mould
Ingress protection:	IP67
Net weight:	350g 375g with pump
Battery:	Sealed prismatic polymer with non-contact wireless inductive charging Hot-swap intrinsically safe battery pack can be changed in the hazardous area
Battery run time:	Up to 168 hours with LED IR and electrochemical cells installed Up to 48 hours with catalytic and electrochemical sensors installed
Battery charge time:	6 hours with automatic charge management for continuous standby charging
Display:	52mm x 42mm high definition graphic LCD with automatic power down and LED rear illumination
Controls:	Two sealed push buttons for all field functions, profiled for operation with a gloved hand
Alarms:	<ul style="list-style-type: none">• Flashing wide angle LED indicator with modulated indication of gas risk present• Audible alarm 95db at 300mm• Low battery warning• User selectable confidence tone interval• Power ON indicator, Green flashing LED• Calibration and service due prompt• STEL and TWA pre-set alarms
Data functions:	<ul style="list-style-type: none">• Automatic data log with variable sample rate Typical: 12 hours storage at 10 second intervals• Real time clock and display showing HH:MM• Language options to specification• Peak High and Low signal retention for each gas sensor• STEL and TWA auto calculation with prescribed alarm level in accordance with EH40 standards

Dimensions (pictured at actual size)



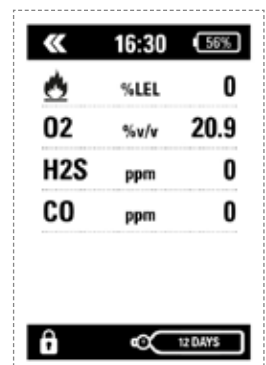
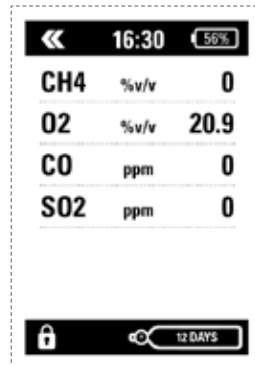
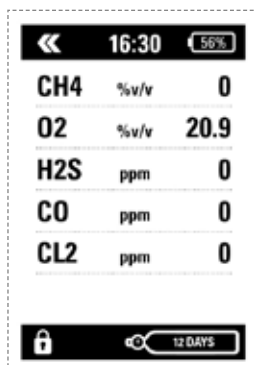
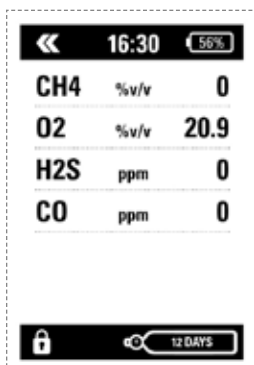
Order reference

GasHawk unit

Complete with: workwear clip, test gas hood and connecting tube



Typical sensor combinations



Wireless Battery Charger

Complete with universal mains supply. 90 to 264V AC, 12V DC input.

TX7001.00 .

POWER CONNECTOR

AUS 01

EU 02

US 03

UK 04

12V Vehicle 05



5 way Horizontal Charge Station

Complete with universal mains supply. 90 to 264V AC, 12V DC input Multiway wireless battery charging.

TX7002.00 .

POWER CONNECTOR

AUS 01

EU 02

US 03

UK 04

12V Vehicle 05



Pre-connected charge station for simultaneous charging of up to five GasHawks. User configurable for table-top foot mounting, wall mounting or integration into a standard 19 inch rack system.

6 way Vertical Charge Station

Complete with universal mains supply. 90 to 264V AC, 12V DC input.

TX7003.00 .

POWER CONNECTOR

AUS 01

EU 02

US 03

UK 04

12V Vehicle 05



Pre-connected charge station for simultaneous charging of up to six GasHawks in a space saving vertical stacking, foot mounting format.

Bump Test Station

- Input ports for test gas connection
- Gas application push button for convenient and safe operation
- No electrical power required - can be used in the hazardous area
- Single or dual gas input channels

TX7004.00 .

GAS CHANNELS

SINGLE 01

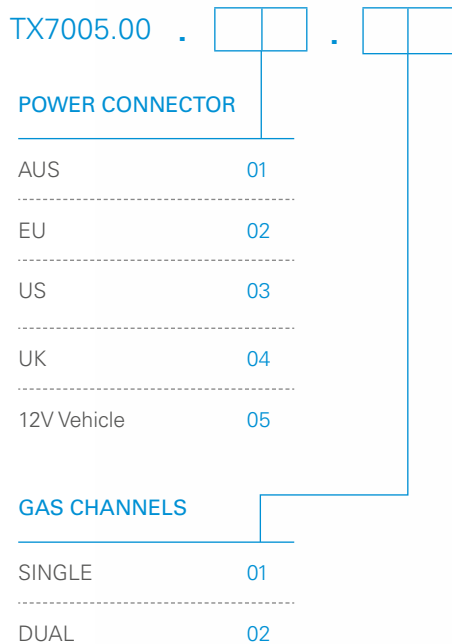
DUAL 02



Rapid and convenient gas response testing of Gashawk prior to deployment. Equally suitable for individual users or multi-user validation checks.

Universal Docking Station

- Combined bump test, calibration and charging with PC datacomms in a convenient simple to use package
- Single or dual input ports for test gas connections
- USB datacomms, datalog transfer with web server using Trolex HawkEye PC application tool
- Instrument setup from PC and cloning function
- Gas application switch for consistent and safe operation
- USB connecting lead
- Universal mains power supply. 90 to 264V AC, 12V DC
- Secure in-vehicle docking for rough terrain applications.



Accessories

Belt Holster

TX7006

Complete with instrument docking clip and screws



Battery Pack (Additional)

TX7010.19 Group I
TX7010.20 Group II

Complete with protective pouch and Allen key

Chest Harness

TX7008

Complete with instrument docking clip and screws



Organiser Storage Case

TX7011

Protective organiser case for general storage with compartments for:

- GasHawk instrument
- Spare battery pack
- Test gas hood with 3m flexible pipe
- Charger
- Mains power supply
- HawkEye USB application stick
- Belt holster clip
- User manual



Protective Case

TX7013

Leather carrying case for additional protection in extreme operating conditions

Pump Hood Filters (Replacement)

P5593.87

Pack of five



Telescopic Sample Probe

TX7012

With 3m flexible tube





Confined Space Entry Kit

TX7007

Impact protected carrying case with shoulder strap and heavy duty zip fastener. Kit includes:

- TX7000.19.01.04.01.02.01 GasHawk pump version. Group I
- TX7000.20.01.04.01.02.01 GasHawk pump version. Group II
- Pump hood
- Test gas hood
- 3m flexible tube
- Five pump hood filters
- Hydrophobic line filter for fitting to flexible tube and telescopic probe.
- User manual

Additional compartments for optional extras:

- TX7010.19 Spare battery with protective pouch. Group I
- TX7010.20 Spare battery with protective pouch. Group II
- TX7012 Telescopic sample probe with 3m flexible pipe
- TX7008 Chest harness kit

TIROLEX

0.0 92% 19:16
21.1 %v/v CH4
0.0 %v/v O2
0.0 ppm CO
 ppm H2S

GasHawk

#SupportMining

Trolex's commitment to the mining industry goes back over 60 years. We believe that now is the time for suppliers to stand up and show their support for the industry where it matters most – on the bottom line.

We have committed to supplying all consumables for GasHawk at cost price – which is why you get exactly the same product from us at an average of 80% less than our competitors.

For more information on what you could save with GasHawk visit:

www.trolex.com/GasHawk

Engineered for efficiency. Built to last

Trolex Ltd. Newby Road, Hazel Grove, Stockport, Cheshire, SK7 5DY, UK
Call: +44 (0)161 483 1435 | Email: sales@trolex.com | Web: www.trolex.com



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