GAS DETECTION & CONFINED SPACE · PREMIUM & SPECIALISED (HSE-MANDATED)

Personal H2S Gas Monitors

Personal H2S gas monitors are compact, body-worn single-gas detectors with an electrochemical sensor that alarm audibly, visually and by vibration when hydrogen sulphide reaches preset limits, typically 5 ppm and 10 ppm.

TECHNICAL SPECIFICATIONS	
Certification	ATEX II 1G Ex ia IIC T4 Ga; IECEx; UL / CSA Class I Div 1
Sensor	Electrochemical hydrogen sulphide
Range	0–100 ppm (some models 0–200 ppm)
Default alarms	Low 5 ppm; High 10 ppm; STEL 15 ppm; TWA 10 ppm (configurable)
Battery life	2 years continuous (disposable) or 1–2 months per charge (rechargeable)
Ingress protection	IP66 / IP67
Operating temperature	-40 °C to +50 °C (model dependent)
Weight	Approximately 80–110 g with clip
Packaging	Individually boxed; cartons of 10 or 20 units

Key features

- Electrochemical H2S sensor with 0–100 ppm range and 0.1 ppm resolution
- Low and high alarms factory set to 5 ppm and 10 ppm, user adjustable
- 95 dB audible, bright red LED and vibrating alarms for high-noise plant environments
- ATEX, IECEx and UL intrinsically safe for Zone 0 / Class I Div 1 areas
- Maintenance-free two-year or three-year models with no charging or sensor change
- Event logging, bump-test reminders and docking-station compatibility on serviceable models

Variants available

- 2-year maintenance-free disposable H2S monitor
- 3-year disposable H2S monitor with hibernation
- Serviceable H2S monitor with replaceable sensor and battery
- H2S monitor with data logging and docking station
- Dual-gas H2S / CO personal monitor
- Calibration gas and docking station bundles

TYPICAL APPLICATIONS	
Oil & gas	sour crude production, gas sweetening and sulphur recovery units under ADNOC and Saudi Aramco H2S procedures
Petrochemical	refinery turnarounds and tank cleaning in Ruwais, Jubail and Yanbu
Water & wastewater	pump stations, sewer manholes and treatment works for Dubai Municipality and ADSSC
Drilling	rig floor and mud pit personnel on onshore and offshore wells
Construction	deep excavations and tunnelling near sewer networks
Marine & logistics	tanker loading jetties and bulk sulphur terminals

COMPLIANCE, BRANDS AND SELECTION

Compliance (UAE / GCC)

ADNOC HSE standards and Saudi Aramco GI 1780.001 (H2S) and CSM requirements typically mandate a personal H2S monitor for every person entering a defined H2S area, with alarm set points aligned to occupational exposure limits of 5 ppm (TWA) and 10 ppm (STEL/ceiling). Abu Dhabi OSHAD and Dubai Municipality sewerage contractors commonly adopt the same practice. Monitors used in hazardous areas must carry ATEX or IECEx intrinsic-safety certification matched to the zone and gas group.

Brands we supply

Honeywell BW, Dräger, MSA, Industrial Scientific, Crowcon, RAE Systems

How to choose

1. Choose maintenance-free two-year units for large transient workforces; serviceable units for permanent plant staff
2. Confirm ATEX / IECEx certification covers the gas group and temperature class of your area
3. Set alarms to the client standard: ADNOC and Aramco typically use 5 ppm low and 10 ppm high
4. Order docking stations and calibration gas with the fleet to keep bump-test records audit-ready

Request a quotation

Send quantity, sizes and delivery location. We reply with an itemised quotation and certificates within one working day.

WhatsApp / call +971 54 541 4145 · faizal@albarakaservices.com

Product page: albarakaservices.com/products/safety-products/personal-h2s-monitors/

Typical specifications for this product class, compiled by Al Baraka Diyar for quotation and tender preparation. This is not a manufacturer datasheet. Exact values, markings, sizes and certificates depend on the brand and model supplied and are confirmed in our quotation and in the manufacturer's test certificates. Always verify suitability with your site HSE officer. Information is subject to change without notice.