

Dräger X-am® 2500 Personal Monitor Multi-Gas Detection

Dräger's X-am® 2500 accurately detects O₂, CO, NO₂, SO₂ and H₂S and is the only 1-4 gas monitor you need in industrial and refinery applications. The X-am® 2500 combines reliable sensor technology with long battery life and intuitive operation in an instrument that defines safety.



Benefits

Matrix display

The X-am 2500 has a large, easy to read, liquid-crystal display. All gas readings are shown simultaneously and resize automatically depending on the number of sensors installed. When a gas alarm occurs, the reading for the sensor in alarm will be highlighted and will alternate with the alarm level indication of A1 or A2.

High capacity battery

The Dräger X-am 2500 can operate for more than 12 hours with either alkaline batteries or with rechargeable NiMH batteries. Depending on the requirements, the batteries can be charged either in the workshop or in a vehicle. Operating time without an Ex sensor installed is typically more than 250 hours.

X-dock compatibility

The X-am 2500 is compatible with Dräger's X-dock testing and calibration station. X-dock is Dräger's new solution for efficient maintenance and comprehensive equipment management. Used for functional testing and complete documentation, X-dock can complete bump tests in 8 to 15 seconds with more than 40% less gas consumption than competitive instruments¹. The X-am 2500 is also compatible with the Dräger Bump Test Station.

Long-lasting, reliable sensor technology

The innovative, catalytic Ex sensor has a high degree of drift stability with a high resistance to silicone and hydrogen sulfide. The sensor boasts an expected service life of more than five years and is extremely sensitive to flammable gases and vapors. Further, the X-am 2500 is approved for measuring from methane to nonane, according to IEC/EN 60079-29-1.

Zone 0 approved

The Dräger X-am 2500 has Ex approval for zone 0 for user safety in areas subject to explosion hazard. Additionally, it is not sensitive to electromagnetic radiation, e.g. from wireless devices and is water and dust resistant in accordance with protection class IP 67.

Diffusion or pump

An optional external pump with a hose up to 45 m / 147 ft long is available for use in tanks and shafts or when searching for leaks. The switch from diffusion to pump operation can be handled quickly and easily without tools or screws.

Benefits

Ergonomic and robust

The Dräger X-am 2500 is comfortably worn thanks to its low weight and ergonomic design and gas can enter the unit from above and from the front—even if the instrument is inside a pocket or if the front gas entry is accidentally covered.

The practical two button control panel and easy menu navigation allow for intuitive operation while the integrated protective rubber coating and sensors not sensitive to shock provide additional safety in case of impacts or vibrations.

Peak value functionality

The X-am 2500 can store the highest gas readings for the Ex and toxic gas sensors and the lowest reading for the O₂ sensor. These readings can be easily reset after a gas exposure without having to turn the monitor off and on.

¹X-dock bump test stated times are typical results; stated gas consumption is based upon calibration gas flow of 0.3 L /minute versus 0.5 L/minute without using X-dock for bump test

System Components



D-12191-2010

DrägerSensor® XXS

Dräger has developed miniature electrochemical sensors specially for the Dräger Pac® and X-am® 1/2/5 generation gas detectors. The sensors detect many different gases and vapors. They are also very reliable and stable over the long-term, thereby reducing your operating costs.

System Components

ST-740-2006



Dräger Bump Test Station

The Bump Test Station is easy to use, stand-alone and flexible. In this regard, function tests of gas detection and warning devices can be carried out easily and independently of the location.

ST-1535-2007



Dräger Catalytic Ex-Sensors

The Dräger Sensor Catalytic Ex-Sensors measure multiple gases at the same time—combustible gases and vapors in the air.

D-47907-2012



Dräger X-dock® 5300/6300/6600

Automatic bump tests, calibration, reduced test gas consumption, short testing times, and comprehensive documentation come standard in this new device from Dräger, the experts in gas detection.

Accessories

ST-5080-2005



Calibration gas and accessories

For the safe operation of devices, applicable regulations and statutory provisions are to be met and complied with. Therefore, regular calibrations and function tests are necessary. Different systems are available so that products meet a wide range of calibration requirements.

D-12284-2009



Power pack & charging set

Consisting of: NiMH power supply, charging module, single charger

ST-14350-2008



Car charging adapter

ST-15012-2008



Vehicle charger mounting kit

Accessories



Calibration cradle



Leather carrying case



Dräger X-am® 125 external pump

External pump for hose length of up to 45 meters (147 feet). Makes it possible to use the detector for pre-entry measurements into confined spaces such as tanks, shafts, etc. The pump starts automatically when the detector is attached. The change between diffusion and pump operation is quick and easy without any need for additional tools or steps.

Services

D-19072-2016



Dräger Service

When your operation's safety equipment is backed by over 125 years of experience and supported by the same team that engineered it, you can rely on service and rental solutions that are tailored to meet your unique needs. With Dräger's safety solutions, you get complete peace of mind, budget security, and full-service support that you can count on every step of the way. That's the Dräger Service Advantage.

Related Products

D-27784-2009



Dräger X-am® 5600 Personal Monitor

Featuring an ergonomic design and innovative infrared sensor technology, the Dräger X-am® 5600 is the smallest gas detection instrument for the measurement of up to 6 gases. Ideal for personal monitoring applications, this robust and water-tight detector provides accurate, reliable measurements of explosive, combustible and toxic gases and vapors as well as oxygen.

D-6491-2017



Dräger X-am® 8000

Clearance measurement was never this easy and convenient: The Dräger X-am® 8000 measures up to seven toxic as well as flammable gases, vapors and oxygen all at once — either in pump or diffusion mode. Innovative signaling design and handy assistant functions ensure complete safety throughout the process.

Related Products

D-23418-2017



Dräger X-am® 5000

Today, smoke inhalation causes eight times as many deaths as burns¹ in structural fires because of toxic gases. Two of the most deadly gases are carbon monoxide (CO) and hydrogen cyanide (HCN)—known as the “toxic twins”. The Dräger X-am® 5000 multi-gas detector protects you by measuring the combined concentration of CO and HCN, plus up to three other gases.

Technical Data

| | | | |
|------------------------|--|--|----------------------------|
| Dimensions (W x H x D) | 48 x 130 x 44 mm (1.85" x 5.12" x 1.73") | | |
| Weight | 220 – 250 g (8 - 9 oz) | | |
| Ambient conditions | Temperature | -20 to +50 °C (-4 to 122°F) | |
| | Pressure | 700 to 1,300 mbar (20.7 to 38.4 inch Hg) | |
| | Relative humidity | 10 to 95 % r.h. | |
| Protection class | IP67 | | |
| Alarms | Visual | 360° | |
| | Audible | Multi-tone > 90 dB at 30 cm | |
| | Vibration | | |
| Operating times | > 12 h with alkaline and NiMH, > 13 h with NiMH HC, > 250 h w/o Ex sensor with alkaline batteries | | |
| Charging times | < 4 h | | |
| Data logger | Retrievable using an infrared interface > 1000 h with 4 gases at a recording interval of 1 value per minute | | |
| Pump operation | Maximum hose length 45 m; 147 ft. | | |
| Approvals | ATEX | I M1 Ex ia I Ma, II 1G Ex ia IIC T3 Ga, I M2 Ex d ia I Mb, II 2G Ex d ia IIC T4/T3 Gb | |
| | | Performance approval to: | |
| | | EN 50104(2002) + A1 (2004) | O ₂ |
| | | EN 45544 | CO & H ₂ S |
| | | EN 60079-29-1:2007 | Methane to nonane |
| | | EN 50271:2001 | Software and documentation |
| | CSA (Canada & USA) | Class I Div. 1 Group A, B, C, D | T.-Code T4/T3 |
| | | A/Ex ia IIC T3/Ga | |
| | | A/Ex d ia IIC T4/T3/Gb | |
| | IECEX | Ex ia I Ma | |
| | | Ex ia IIC T3 Ga | |
| | | Ex d ia I Mb | |
| | | Ex d ia IIC T4/T3 Gb | |
| | CE mark | Electromagnetic Compatibility (Directive 2004/108/EC); ATEX (Directive 94/9/EC) | |
| | MED | Marine Equipment Directive (Directive 96/98/EC) | |

Ordering Information

| X-am® 2500 NiMH | Order No. |
|---|-----------|
| X-am® 2500 Ex/CO, NiMH w/charger kit | 45 42 283 |
| X-am® 2500 Ex/H ₂ S, NiMH w/charger kit | 45 42 285 |
| X-am® 2500 Ex/O ₂ /CO/H ₂ S, NiMH w/charger kit | 45 42 261 |
| X-am® 2500 Ex/O ₂ /CO/NO ₂ , NiMH w/charger kit | 45 42 263 |
| X-am® 2500 Ex/O ₂ /CO, NiMH w/charger kit | 45 42 265 |
| X-am® 2500 Ex/O ₂ /H ₂ S, NiMH w/charger kit | 45 42 267 |
| X-am® 2500 Ex/O ₂ , NiMH w/charger kit | 45 42 269 |
| X-am® 2500 O ₂ /CO/H ₂ S-LC NiMH w/charger kit | 45 42 273 |
| X-am® 2500 Ex, NiMH w/charger kit | 45 42 271 |
| X-am® 2500 O ₂ /CO NiMH w/charger kit | 45 42 275 |
| X-am® 2500 O ₂ /H ₂ S-LC NiMH w/charger kit | 45 42 277 |
| X-am® 2500 O ₂ /H ₂ S-LC NiMH w/charger kit | 45 42 279 |

Ordering Information

X-am® 2500 Alkaline

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| X-am® 2500 Ex/O ₂ /CO/H ₂ S, Alkaline Battery Pack | 45 42 262 |
| X-am® 2500 Ex/O ₂ /CO/NO ₂ , Alkaline | 45 42 264 |
| X-am® 2500 Ex/O ₂ /CO, Alkaline Battery Pack | 45 42 266 |
| X-am® 2500 Ex/O ₂ /H ₂ S, Alkaline Battery Pack | 45 42 268 |
| X-am® 2500 Ex/O ₂ , Alkaline Battery Pack | 45 42 270 |
| X-am® 2500 Ex, Alkaline Battery Pack | 45 42 272 |
| X-am® 2500 O ₂ /CO/H ₂ S-LC Alkaline | 45 42 274 |
| X-am® 2500 O ₂ /CO Alkaline | 45 42 276 |
| X-am® 2500 O ₂ /H ₂ S-LC Alkaline | 45 42 278 |
| X-am® 2500 Ex/O ₂ /H ₂ S-LC/SO ₂ Alkaline | 45 42 280 |
| X-am® 2500 CO/H ₂ S, Alkaline Battery Pack | 45 42 282 |
| X-am® 2500 Ex/H ₂ S, Alkaline Battery Pack | 45 42 286 |
| X-am® 2500 Ex/CO, Alkaline Battery Pack | 45 42 284 |

Power Supply Units

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| NiMH Battery Pack, X-am 1/2/5000 | 83 18 704 |
| Battery Holder, Alkaline, 2 "AA" | 83 18 703 |
| AA Alkaline Battery (2 req'd) | 45 88 195 |
| NiMH Battery Kit | 83 18 785 |
| NiMH HC power pack T4 | 83 22 244 |
| Alkaline power pack (w/o batteries) | 83 22 237 |
| NiMH HC power pack T4 with charging module and PSU (complete set) | 83 22 785 |

Charging Accessories

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| Battery Charge Cradle | 83 18 639 |
| Charging kit consisting of a charging module and a single charger (worldwide) | 83 20 333 |
| Power Supply, Vehicle Adapter, 12 vdc | 45 30 057 |
| Power Supply for up to 2 Charge Cradles | 83 15 635 |
| Power Supply for up to 5 Charge Cradles | 83 16 994 |
| Power Supply for up to 20 Charge Cradles | 83 15 805 |
| Battery Charger Vehicle Mounting kit | 83 18 779 |
| Replacement Vehicle Mount Strap X-am® 1/2/5000 Series | 83 18 788 |
| Replacement Vehicle Mount Strap X-am® 1/2/5000 Series – US Version | 45 43 938 |

Pump Accessories

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| Dräger Mark II X-am® Pump incl. USB charger with wall plug and shoulder strap | 83 27 115 |
| CSE Set for Dräger X-am® Mark II Pump | 83 27 117 |
| Expanded CSE Kit with Standard 4 Gas X-am® 2500 and Test Gas | 83 27 116 |
| Customizable Expanded Dräger X-am® 2500 CSE Kit with Mark II Pump | 83 27 106 |
| USB 2.0 Cable | 83 27 108 |
| USB power supply | 83 27 102 |
| Shoulder strap | 83 19 386 |
| Case for Dräger X-am® Mark II Pump | 83 27 104 |
| Filter with hose connector (3 mm / 0.12 in and 5 mm / 0.20 in) | 83 19 364 |
| Clamp | 56 00 956 |

Ordering Information

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| Telescopic Probe ES150, 1.5 m / 4.9 ft | 83 16 533 |
| Telescopic Probe, 1.4 m / 4.5 ft | 45 10 546 |
| Telescopic Probe, 2 m / 6.5 ft | 45 10 545 |
| Float probe | 83 27 654 |
| 5 m / 16.4 ft FKM hose (diameter 3 mm / 0.12 in) | 83 25 705 |
| Dust/Water Stop Filter for 1/2/5 Pump | 45 43 759 |
| Kit, pump inlet w/nut, X-am® 1/2/5 | 45 94 854 |
| Kit, MSHA PX2 Pump with adapter for X-am® 125 | 45 43 982 |
| Hand Pump Kit with 10 ft (3 m) Tygon Tubing | 45 94 585 |
| Water Trap, Dust/Mist Filter for Hand Pump Kit | 45 23 078 |

Notes

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