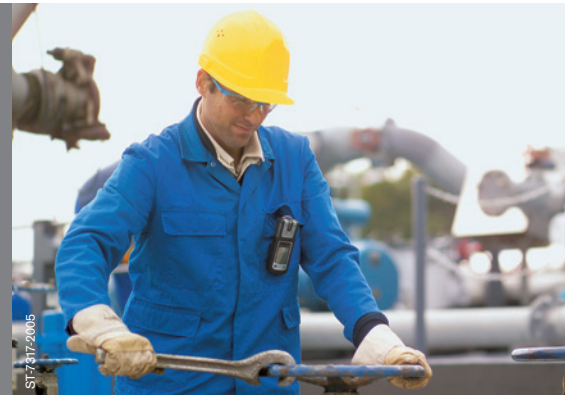


Dräger X-am® 2500 Multi-Gas Monitor

The Dräger X-am 2500® was especially developed for use as personal protection. The 1 to 4 gas detector reliably detects combustible gases and vapours, as well as O₂, CO, NO₂, SO₂ and H₂S. Reliable and fully mature measuring technology, durable sensors and easy handling guarantee a high degree of safety with extremely low operating costs.



DURABLE ELECTROCHEMICAL SENSORS

Fully developed, high performance Dräger sensors in an extra small format for CO, H₂S, O₂, SO₂ and NO₂ gases enable safe use in industry, mining and in refineries. The impressive hydrogen sulphide sensor has a high resolution, so it can reliably measure even very low workplace limits. The non-consumptive and lead-free sensor for oxygen is characterized by an especially long service life of more than 5 years. Our CO and H₂S sensors also have this long service life expectation, so they contribute to especially low operating costs.

POISON RESISTANT EX SENSOR

The innovative, catalytic Ex sensor is impressive due to its high resistance to silicone and hydrogen sulphide. Together with the high degree of drift stability, this resistance enables an extraordinarily long service life of more than 4 years. Its high sensitivity with regard to flammable gases and vapours is confirmed by technical approval for measuring according to IEC/EN 60079-29-1 from methane to nonane. This approval also demonstrates the suitability of this instrument for use in refineries and in the chemical industry as well.

MAXIMUM SAFETY

The Dräger X-am 2500 has Ex approval for zone 0, so it is clearly designed for very high user safety in areas subject to explosion hazard. The functional design ensures that gas can enter from above and from the side – even if the instrument is inside a pocket or if the front gas entry is accidentally covered.

MAINTENANCE: FAST, EASY, INEXPENSIVE

From functional test to complete documentation, users have access to practical solutions that provide safety for implementation at any time. The Dräger Bump Test Station, which does not require a local power source, and the automatic Dräger X-dock testing and calibration station for comprehensive equipment management are ideal system additions that save time and effort. Together with the Dräger X-dock, the high quality Dräger sensors enable quick bump tests of 8 to 15 seconds¹⁾ with very low gas consumption. This significantly reduces your equipment operating costs.

¹⁾ With standard sensors: CH₄, O₂, CO, H₂S



D-58025-2012

Dräger X-am® 2500
Robust 1 to 4 gas detector for personal protection.

DRÄGER X-AM® 2500**Safe gas entry**

Gas entry from 2 sides.

Crocodile clip
Secure attachment.

Visual alarm

Alarm visible across 360°.

Dräger sensors
Quick, precise, long service life.

Robust design

Water and dust resistant in acc. with IP 67.

Large display
All values at a glance.

**DIFFUSION OR PUMP**

For clearance measurements for tanks and shafts or when searching for leaks, an optional external pump with a hose up to 30 m long is the optimum solution. When the measuring instrument is inserted, the pump function starts automatically. The switch from diffusion to pump operation can be handled quickly and easily without tools or screws.

ERGONOMIC AND ROBUST

Thanks to its low weight and ergonomic design, the Dräger X-am 2500 offers a high degree of wearing comfort. The practical

two button control panel and easy menu navigation allow the instrument to be used intuitively, despite its comprehensive functionality. The integrated protective rubber coating and sensors that are not sensitive to shock provide additional safety in case of impacts or vibrations. Moreover, the Dräger X-am 2500 is not sensitive to electromagnetic radiation, e.g. from wireless devices. The Dräger X-am 2500 is water and dust resistant in accordance with protection class IP 67, so full functionality is guaranteed even if it falls into the water.

RELIABLE POWER SUPPLY

The Dräger X-am 2500 can operate with either alkaline batteries or with rechargeable NiMH batteries. This enables a reliable power supply for more than 12 hours, and with the high capacity battery pack more than 13 hours. Depending on the requirements, the batteries can be charged either in the workshop or in a vehicle. Operating time without Ex sensor is typically more than 250 hours.



D-528864-2012

Dräger X-am® 2500

Efficient maintenance and comprehensive equipment management with the optional Dräger X-dock testing and calibration station.



ST-9554-2007

Dräger X-am® 2500

Flexible with external pump for clearance measurements.



ST-1094-2008

Dräger X-am® 2500

Reliable personal protection, e.g. in confined space entry.

ORDERING INFORMATION

| DESIGNATION | ORDER NO. |
|---|------------------|
| Dräger X-am® 2500 | |
| Available in various versions. Cannot be modified later with other sensors. Includes calibration certificate. No power supply included. | |
| Dräger X-am® 2500 EX ¹⁾ | 83 23 910 |
| Dräger X-am® 2500 Ex, O ₂ ¹⁾ | 83 23 912 |
| Dräger X-am® 2500 Ex, O ₂ , H ₂ S-LC ¹⁾ | 83 23 914 |
| Dräger X-am® 2500 Ex, O ₂ , CO ¹⁾ | 83 23 916 |
| Dräger X-am® 2500 Ex, O ₂ , H ₂ S-LC, CO ¹⁾ | 83 23 918 |
| Dräger X-am® 2500 Flex¹⁾ | 83 23 900 |
| Available in various versions. Can be modified later with other sensors. Includes calibration certificate. No power supply included. | |
| Dräger X-am® 2500 Ex, O ₂ , CO, H ₂ S-LC | |
| Dräger X-am® 2500 Ex, O ₂ , CO | |
| Dräger X-am® 2500 Ex, O ₂ , H ₂ S-LC | |
| Dräger X-am® 2500 Ex, O ₂ | |
| Dräger X-am® 2500 Ex | |
| Dräger X-am® 2500 O ₂ , CO, H ₂ S-LC | |
| Dräger X-am® 2500 O ₂ , CO | |
| Dräger X-am® 2500 O ₂ , H ₂ S-LC | |
| Dräger X-am® 2500 Ex, O ₂ , CO, NO ₂ | |
| Dräger X-am® 2500 Ex, O ₂ , H ₂ S-LC, SO ₂ | |
| Power supply units | |
| NiMH power pack T4 with charging module and PSU (complete set) | 83 18 785 |
| NiMH power pack T4 | 83 18 704 |
| NiMH HC power pack T4 with charging module and PSU (complete set) | 83 22 785 |
| NiMH HC power pack T4 | 83 22 244 |
| Alkaline power pack (w/o batteries) | 83 22 237 |
| Alkaline batteries T4 (2 pcs.) for power pack 83 22 237 | 83 22 240 |
| Charging accessories | |
| Charging module | 83 18 639 |
| Charging kit consisting of a charging module and a single charger (worldwide) | 83 20 333 |
| Power pack with power cord (worldwide) for multiple charging modules (max. 20) | 83 15 805 |
| Single charger (worldwide) for multiple charging modules (max. 5) | 83 16 994 |
| Single charger (worldwide) for multiple charging modules (max. 2) | 83 15 635 |
| Vehicle charging cable 12V/24V for charging module | 45 30 057 |
| Vehicle mounting kit for a Dräger X-am 1/2/5x00 charging module | 83 18 779 |
| Pump accessories | |
| Dräger pump X-am 125, external pump | 83 19 400 |
| Manual pump adapter | 83 19 195 |
| Confined Space Entry Kit with external pump and 3 m Viton hose | 83 19 399 |
| Empty case with room for X-am® 1/2/5x00, charging accessories, probe, gas cylinder, pump, 3 m hose, etc. | 83 20 467 |
| Calibration accessories | |
| Calibration cradle for Dräger X-am® 1/2/5x00 | 83 18 752 |
| Dräger X-dock 5300 for Dräger X-am® 1/2/5x00 | 83 21 880 |
| Other versions of Dräger X-dock | by request |
| Dräger Bump Test Station for Dräger X-am® 1/2/5x00 (w/o gas cylinder) | 83 19 131 |
| Dräger Bump Test Station for Dräger X-am® 1/2/5x00, incl. gas cylinder 58L (gas and concentration can be selected) | 83 19 130 |
| Nonane tester for Dräger X-am® 1/2/5x00 | 83 20 080 |
| Communication Accessories | |
| Dräger GasVision | 83 14 034 |
| Dräger CC-Vision | Freeware |
| USB DIRA with USB cable, IR communication adapter to USB | 83 17 409 |

ORDERING INFORMATION

| Dräger sensors | Measuring range | Resolution | Response time(t ₉₀) | Expected service life | Order No. |
|--|---|------------|---------------------------------|-----------------------|-----------|
| CatEx 125 PR ¹⁾ | 0 - 100 % LEL 0 - 5 Vol.-% CH ₄ | 1 % LEL | 10 sec. | > 4 years | 68 12 950 |
| DrägerSensor XXS O ₂ ¹⁾ | 0 - 25 Vol.-% | 0.1 Vol.-% | 10 sec. | > 5 years | 68 10 881 |
| DrägerSensor XXS CO ¹⁾ | 0 - 2.000 ppm | 2 ppm | 15 sec. | > 5 years | 68 10 882 |
| DrägerSensor XXS H ₂ S LC ¹⁾ | 0 - 100 ppm | 0.1 ppm | 15 sec. | > 5 years | 68 11 525 |
| DrägerSensor XXS SO ₂ | 0 - 100 ppm | 0.1 ppm | 15 sec. | > 3 years | 68 10 885 |
| DrägerSensor XXS NO ₂ | 0 - 50 ppm | 0.1 ppm | 15 sec. | > 3 years | 68 10 884 |

1) Dräger provides a 3 year guarantee on the Dräger X-am 2500 and these sensors. The legal rights arising from defects remain unaffected.

TECHNICAL DATA

| | | |
|------------------------|--------------------|---|
| Dimensions (W x H x D) | | 48 x 130 x 44 mm |
| Weight | | 220 - 250 g |
| Ambient conditions | Temperature | -20 to +50 °C |
| | Pressure | 700 to 1300 mbar |
| | Relative humidity | 10 to 95 % r.h. |
| Protection class | | IP 67 |
| Alarms | Visual | 360 ° |
| | Audible | Multi-tone > 90dB at 30cm |
| | Vibration | |
| Operating times | | > 12 h with alkaline and NiMH, > 13 h with NiMH HC, > 250 h w/o Ex sensor with alkaline batteries |
| Charging time | | < 4 h |
| Datalogger | | Retrievable using an infrared interface > 1000 h with 4 gases at a recording interval of 1 value per minute |
| 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) |

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