

Dräger X-am[®] 3500 Multi-Gas Detection Device

The Dräger X-am[®] 3500 was especially designed for clearance measurements. The 1 to 4 gas detector reliably detects flammable gases and vapours as well as O₂, CO, H₂S, NO₂ and SO₂. The innovative signalling design and extensive range of accessories ensure optimum safety and easy handling.

Switch easily between pump and diffusion mode

Slots for DrägerSensors[®] to measure up to four gases



Glowing green D-light (optional) indicates: tested and ready for use

Easy-to-read colour display with zoom function

Inductive charging

Benefits

Specially designed for use with a pump, optimised for clearance measurement

The Dräger X-am 3500 is equipped with a very powerful pump. It can be connected with hoses of up to 45 metres in length. A pump adapter makes it easy to switch between diffusion and pump mode at any time. This means the pump is only operated when you actually need it. That saves energy, reduces wear and tear, and thereby extends the lifespan of the pump.

Handy and durable, the Dräger X-am 3500 is intuitive to operate single-handedly using three function keys. The easy-to-read colour display clearly lays out all the information for you. Thanks to its compact and robust construction, the device can withstand even the harshest conditions.

Clear signalling design

The signal system of the Dräger X-am 3500 is based on a clear colour code, in accordance with the requirements of the EN 60079-29-1, EN 45544-1 and EN 50104:

- Red light = gas alarm
- Yellow light = device-related alarm, e.g. low battery
- Green light = device is ready for use

The green glow of the D-light allows you to see from a distance whether the device has been properly tested and is ready for use.

In case of an alarm, the X-am 3500 alerts you with colourful alarm LEDs, a loud horn (100 dB(A) at a distance of 30 cm), and clearly palpable vibration. Optionally, four preset hazard symbols are available for the display which explicitly indicate the presence of explosive or toxic gas hazards, for example. This allows the user to easily recognise the type of hazard based purely on the symbol displayed.

Economical Fleet Management

Bumptest and calibration are carried out simply and quickly using the Dräger X-dock® calibrating station. Its low test gas consumption keeps operating costs to a minimum.

Its reporting function and numerous other useful features make the X-dock Manager PC software a smart addition to any fleet management operation. To identify the devices in the fleet, you can either use tried and tested barcodes or an integrated RFID transponder.

Inductive charging protects against wear and tear

The X-am 3500 features inductive charging. This makes it easier to operate and increases the lifespan of the device. Issues like corrosion and contact problems in the charging cradle are a thing of the past. You can charge (outside of explosion-hazard zones) and measure at once, e.g. when in use inside vehicles or on machinery. The charging cradle can connect with one another, taking up minimal space, and are compatible with existing Dräger X-am® series cradles.

Details



D1-4324-2017

Pump adapter



D-6555-2017

Protective rubber boot



D-27812-2017

Dräger X-dock® module

Comparison of Dräger X-am® 3500 and Dräger X-am® 8000

| Features | Dräger X-am® 3500 | Dräger X-am® 8000 |
|--|-------------------|------------------------------------|
| Number of measuring gases | 1 to 4 | 1 to 7 |
| Internal pump, activation with pump adapter | Yes | Yes, optional |
| Inductive charging | Yes | Yes |
| Customer-specific settings when ordering | No | Yes |
| Shoulder strap included as standard | No | Yes |
| Catalytic bead sensor DrägerSensor® CatEx 125 PR | Yes | Yes, configurable |
| Electrochemical (EC) DrägerSensors®: XXS O ₂ , XXS CO LC, XXS H ₂ S LC, XXS NO ₂ , XXS SO ₂ | Yes | Yes, configurable |
| Electrochemical (EC) DrägerSensors®: other sensors/special gases | No | Yes, configurable |
| Infrared (IR) DrägerSensors® Dual IR Ex/CO ₂ , IR-Ex, IR-CO ₂ | No | Yes, configurable |
| Photoionisation detector (PID) DrägerSensors®: PID HC, PID LC ppb | No | Yes, configurable |
| Automatic measurement range switching for the catalytic bead sensor, catalytic bead sensor, measuring gas: methane | No | Yes, configurable |
| Assistant: Confined Space, Leak Search, Benzene/Pre-Tube | No | Yes, only when a pump is installed |
| Event report (incl. impact detection) | No | Yes, configurable |
| Bluetooth® ¹ | No | Option |

¹ Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Dräger offers two different multi-gas detection devices with internal pump: Dräger X-am® 8000 and Dräger X-am® 3500. The different features of both devices are summarised in the table above.

Accessories



D-6562-2017

Inductive charger

To charge the device inductively



D-6545-2017

Pedestal

To stand the device upright for area monitoring. The pedestal can be used with or without a shoulder strap.



D-6555-2017

Protective rubber boot

Prevents damage and wear in harsh environments. The protective boot can easily be replaced by the user.

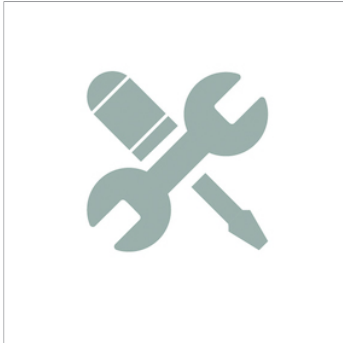


D-6547-2017

Shoulder strap with adhesive label

With the shoulder strap you can comfortably carry the device. The corresponding adhesive label can be marked individually with device specific information, e.g. sensor assortment.

Services



Product Service

Our product service department supports you with a range of service packages – in our shops or on site in your plant. Care, servicing and maintenance are key factors when it comes to safety. Diligent maintenance and care is also absolutely necessary from an economics perspective. Preventive checks, service procedures and original replacement parts make your investment last longer.



Rental Service

From bridging a temporary shortage of equipment to procuring special equipment for applications involving specific requirements: If you only need to cover a temporary higher demand, then Dräger Rental Service with over 65,000 pieces of rental equipment is an economical alternative to purchasing. Fast, straightforward and with a wide range of additional services available upon request.



Training

The Dräger Academy has imparted well-founded and practical knowledge for over 40 years. With over 110 authorized trainers and more than 600 available topics, we conduct more than 2,400 training sessions per year. We equip your employees with the knowledge required for real-life situations and ensure that the learned material can be recalled and applied reliably – in their everyday work and especially in stressful situations. To meet your needs, we are also happy to develop a customized training program specifically for you.



On-site Safety Service

Whether through a rental shop, personnel services or comprehensive safety management, our On-Site Safety Services provide support in all projects where there are particular safety risks – not to mention normal day-to-day business.

Technical Data

| | | |
|-----------------------------|---|--|
| Dimensions (H x W x D) | 179 x 77 x 42 mm | |
| Weight | Approx. 495 g, depending on sensor configuration, without strap, without pump Approx. 550 g, depending on sensor configuration, without strap, with pump | |
| Housing | Durable two-component housing | |
| Display | High-contrast colour display | |
| Temperature | -20 °C to +50 °C | |
| Pressure | 700 to 1.300 hPa | |
| Relative humidity | 10 to 90% (short-term up to 95%) r.h. | |
| Alarms | Visual | 3 LED 'red' (gas alarms), 3 LED 'yellow' (device alarms) |
| | Acoustic | Multi-tone, typically 100 dB(A) at 30 cm |
| | Vibration | |
| Ingress protection class | IP 67 | |
| Energy supply | Lithium-ion battery, rechargeable, inductive charging | |
| Operating times (Diffusion) | With CatEx and 3 EC sensors | Typically 24 hours |
| | With 3 EC-sensors | Typically 120 hours |
| Charging times | Typically 4 hours after use during a shift of max. 10 hours | |
| Start-up times | Typically <60 seconds for standard sensors | |
| Data storage | 12 MB, e.g. at 10 minutes per hour of gas exposure with measuring values changing by the second on all 4 channels: approx. 300 hours | |
| Pump operation | Max. hose length 45 m | |
| Approvals | ATEX / IECEx | I M1, II 1G Ex da ia I Ma, Ex da ia IIC T4 Ga Metrological approval pending |
| | EAC (Please contact Dräger regarding availability.) | PO Ex da ia I Ma X Ex da ia IIC T4 Ga X |
| | cCSAus (Please contact Dräger regarding availability.) | Class I, Zone 0, AEx da ia IIC T4 Ga Div 1, Gr. E, F, G T4 C22.2 No. 152, ANSI-ISA 12.13.01:2000 |
| | CE labelling | |
| | MED / DNV GL (Please contact Dräger regarding availability.) | |
| Manufacturer's warranty | 3 years for the device 1 year for the power supply Sensors: see DrägerSensor® & Portable Instruments Handbook | |

Ordering Information

| Dräger X-am® 3500 | Order No. |
|--|-----------|
| consists of: device with power supply (Lithium-ion battery), integrated pump, pump adapter, data logger, manufacturer's certificate, certificate of calibration. Ex = CatEx 125 PR, Calibration gas = Methane. Instruction for use included as standard in the following languages: DE, EN, FR, ES, PT, IT, NL, RU, ZH, JA | |
| Dräger X-am® 3500 Ex, O ₂ ¹ (without charging equipment) | 83 28 412 |
| Dräger X-am® 3500 Ex, O ₂ , H ₂ S LC ¹ (without charging equipment) | 83 28 414 |
| Dräger X-am® 3500 Ex, O ₂ , CO LC ¹ (without charging equipment) | 83 28 416 |

Ordering Information

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|---|---|
| Dräger X-am® 3500 Ex, O ₂ , CO LC, H ₂ S LC ¹ (without charging equipment) | 83 28 418 |
| Dräger X-am® 3500 Ex, O ₂ , CO LC, H ₂ S LC ¹ Set (with charging equipment) | 83 28 419 |
| Dräger X-am® 3500 Ex, O ₂ , CO LC ¹ , NO ₂ (without charging equipment) | 83 28 422 |
| Dräger X-am® 3500 Ex, O ₂ , H ₂ S LC ¹ , SO ₂ (without charging equipment) | 83 28 424 |
| Instruction for use on request, also available in the following languages (please indicate when ordering): DA, FI, NO, SV, PL, HR, SL, SK, CS, BG, RO, HU, EL, TR, KO | 90 33 668 |
| Technical handbook available in the following languages: DE, EN, FR, ES, RU | Available to download from the product website. |

| Sensors | Measuring Range | Resolution | Order No. |
|--|-----------------|------------|-----------|
| CatEx 125 PR ¹ | 0–100 % UEG | 1 % UEG | 68 12 950 |
| DrägerSensor® XXS O ₂ ¹ | 0–25 vol% | 0.1 vol% | 68 10 881 |
| DrägerSensor® XXS CO LC ¹ | 0–2,000 ppm | 1 ppm | 68 13 210 |
| DrägerSensor® XXS H ₂ S LC ¹ | 0–100 ppm | 0.1 ppm | 68 11 525 |
| DrägerSensor® XXS NO ₂ | 0–50 ppm | 0.1 ppm | 68 10 884 |
| DrägerSensor® XXS SO ₂ | 0–100 ppm | 0.1 ppm | 68 10 885 |

¹ A three-year manufacturer's warranty applies to these sensors. Legal rights accruing from defects remain unaffected.

Power supply unit

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|------------------------------------|------------------------|-----------|
| Energy supply (incl. back housing) | (included as standard) | 83 26 817 |
|------------------------------------|------------------------|-----------|

Charging accessories

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|---|--|-----------|
| Inductive charger for charging 1 device | | 83 25 825 |
| Adapter for power plug | | 83 25 736 |
| Power plug for charging 1 device | | 83 16 997 |
| Power plug for charging 5 devices | | 83 16 994 |
| Power plug 100–240 VAC; 1.33 A, for charging up to 5 devices | (requires adapter 83 25 736) | 83 21 849 |
| Power plug 100-240 VAC; 1.33 A, for charging up to 20 devices | (requires adapter 83 25 736) | 83 21 850 |
| Vehicle connector cable 12/24 V for charging 1 device | | 45 30 057 |
| Vehicle connector cable 12/24 V DC for charging up to 5 devices | (requires adapter 83 25 736) | 83 21 855 |
| Vehicle mount | (requires adapter for power plug 83 25 736 and vehicle connector cable 12/24 V DC 83 21 855) | 83 27 636 |

Pump accessories

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|--------------------------------------|---|-----------|
| Dust and water filter for pump inlet | (included in device when pump option is selected) | 83 19 364 |
| Pump adapter | (included in device when pump option is selected) | 83 26 820 |

Probes and Hoses

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|----------------------|---|-----------|
| Telescopic probe 100 | Connection for filter is included in order no. 83 19 364 (Dust/Water Filter). | 83 16 530 |
|----------------------|---|-----------|

Ordering Information

| | | |
|--|---|---|
| Telescopic probe 150, stainless steel | Connection for filter is included in order no. 83 19 364 (Dust/Water Filter). | 83 16 533 |
| 5 m FKM hose, 3.2 mm, with adapters | | 83 25 705 |
| 10 m FKM hose, 3.2 mm, with adapters | | 83 25 706 |
| 20 m FKM hose, 3.2 mm, with adapters | | 83 25 707 |
| 45 m FKM hose, 3.2 mm, with adapters | | 83 28 212 |
| Float probe EPP, incl. 3 m hose, 3.2 mm | | 83 25 831 |
| Float probe EPP, incl. 10 m hose, 3.2 mm | | 83 25 832 |
| Float probe (transparent), with adapter | | 83 27 654 |
| Additional probes, hoses and accessories are available from Dräger. Please contact us. | | |
| Calibration accessories | | |
| Dräger X-am® 3500/8000 calibration adapter | | 83 26 821 |
| Dräger X-dock® Module Dräger X-am® 8000 | (can also be used with X-am® 3500) | 83 21 893 |
| Dräger X-dock® Module Dräger X-am® 8000+ charging | (can also be used with X-am® 3500) | 83 21 894 |
| Dräger X-dock® 5300 (Dräger X-am® 8000) with Master | (can also be used with X-am® 3500) | 83 21 882 |
| Nonane Tester | | 83 25 861 |
| Test gases | | Please contact Dräger. |
| Accessories for measured value acquisition and configuration | | |
| Dräger CC-Vision | | Freeware (www.draeger.com/software) |
| Dräger GasVision License Key | | 83 25 646 |
| USB Dira Dongle / IR interface | | 83 17 409 |
| Holder for USB Dira Dongle | | 83 25 859 |
| Other accessories | | |
| Protective rubber boot, removable | | 83 25 858 |
| Leather case for the device | | 83 27 664 |
| Transport case (empty) | | 83 27 661 |
| Protective Display cover (set of three) | | 83 26 828 |
| Shoulder strap (complete) | (requires bow for shoulder strap – 83 26 819) | 83 26 823 |
| Retractable lanyard | (requires connector for shoulder strap) | 83 23 032 |
| Holder for labels (on strap) | | 83 26 824 |
| Adhesive labels for individual inscriptions, for holder on strap, silver (set of 5) | | 83 27 645 |
| Pedestal for holding device upright, e.g. for area monitoring | (requires connector for shoulder strap) | 83 25 874 |
| Transponder reader for reading the integrated RFID transponder (optional) | | 65 59 283 |

Notes

Notes

Not all products, features, or services are for sale in all countries.
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to www.draeger.com/trademarks to find the current status.

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