Click Here to Learn More or to Shop Now at The Safety Equipment Store®

Dräger X-am® 5800
Multi-Gas Detector

The X-am® 5800 multi-gas detector measures up to six gases and is equipped with a shock-resistant CatEx SR sensor. With the Dräger Gas Detection Connect software, it offers live data transmission and powerful fleet management. Designed for personal monitoring, the X-am 5800 offers the highest level of safety at a low cost of ownership.

Green illuminated D-light (optional) that signals when the unit is tested and ready for use.

CatEx SR (Shock Resistant): measuring flammable gases and vapors, with high shock load resistance

Label area for optional color marking

Easy-to-read display provides the most important information at a glance

Dräger Gas Detection Connect support means easy fleet management with Dräger X-dock® and data transmission with Bluetooth®

Back features a robust clip with D-ring that securely fastens to clothing in the breathing zone

Intuitive visual alarm displays flashing red for gas alarm and yellow for instrument errors

DrägerSensors in XXS format (electrochemical sensors) measure O_2, CO, and H_2S, with a 5-year warranty.

Robust design carries an IP68 rating, withstands water and dust, and drop test rating is >6 ft / 2m Meets NFPA 1801 Tumble Test requirements.

Large buttons for ease of use while wearing gloves

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

Benefits

Powerful data analysis in the cloud

Networking capability provides safety and efficiency: Transfer your recorded data directly and conveniently via Bluetooth to a smartphone and the Gas Detection Connect software. As an alternative, you can also transfer the data directly to the cloud with the X-dock test station, providing secure access to your data and its analysis any time and anywhere with access to the internet.

Comfortable Fleet Management

Manage your fleet of equipment comfortably and efficiently with the X-am 5800. Save operating costs and time with fast tests, using the automatic test station X-dock, with low gas consumption or mechanical bump test station. Further advantages include powerful fleet management via our smart software solution, convenient firmware updates in the X-dock, an optional RFID transponder, and individual color marking of the devices. Sensors are durable and devices remain operational for years, with easy-to-replace spare parts, including the power supply. Dräger provides a 4-year manufacturer's warranty on the basic device, and is compatible with X-am 5800 accessories.

Tailor-Made Gas Monitoring

The X-am 5800 is small and lightweight, comfortable to wear, and easy-to-use, with large buttons for ease of use while wearing gloves. The display clearly shows important information, such as gas readings, alarms and time. The green D-light indicates that the unit is ready for use, with a simple interface. For added safety, the oxygen channel has four alarm thresholds, real pre-alarms, and main alarms for falling and rising concentrations. The X-am 5800 is approved for use in Ex zone 0, and has been tested according to protection class IP 68.

Sensors: Durable and Powerful

The newly-developed CatEx SR sensor calibrates within seconds and protects against shocks, measuring flammable vapors, such as gasoline, diesel, and nonane. The unit can also be set to measure methane, propane, hydrogen, and many other gases. The performance is complemented by Dräger's simple cross calibration concept, in which the measurement gas, calibration gas, and bump test gas can be specified individually. The X-am 5800 calculates the necessary conversations after testing, and the sensor meets the new IEC standard 60079-29-1 (International Electrotechnical Commission) standards.

With decades of experience in sensor technology, Dräger develops and produces the sensors itself, including the powerful and durable electrochemical sensors in the XXS format, resulting in lower operating costs.

Benefits

Focus on Sustainability

During the development of the X-am 5800, sustainability was priority. The durable Dräger sensors and the rechargeable power supply, which can be easily replaced with one screw, ensure a long service life. Almost all spare parts can be replaced by trained users, with remaining parts repaired by Dräger Service. In addition, the X-am 5800 is compatible with accessories from the previous series. Upon request, a reduced number of instructional manuals will be supplied, saving paper, and recycling of old devices is available.

	Dräger X-am® 2800	Dräger X-am® 5800
Portfolio fit	This is the “connected” standard 1 – 4 gas monitor for Personal Air Monitoring (and Confined Space Entry in combination with the X-am pump**)	This is the “connected” 1 – 6 gas monitor for Personal Air Monitoring and Confined Space Entry (in combination with the X-am pump) and AREA monitoring (with X-zone**)
Number of gas channels	1 – 4	1 – 6
Bluetooth®	yes*	yes*
System components		
X-dock	yes	yes
Bumptest Station	yes	yes
Gas Detection Connect	yes	yes
CC Vision / Gas Vision	yes	yes
X-zone 5500/5800	no	yes**
X-am Pump	yes	yes
Sensors		
Sensor slots	1 x CatEx SR / 3 x XXS Sensors	1 x CatEx SR / XD-IR** / PID neo** / 3 x XXS (1 x Dual XXS)
CatEx sensor (CatEx SR)	yes	yes
IR sensor (XD-IR)	no	yes**
PID neo	no	yes**
XXS Standard sensors (O_2, CO LC, H_2S LC, SO_2, NO_2)	yes	yes
XXS Special sensors	no	yes
CatEx full range function	no (but thermal conductivity can be activated so that no blocking alarm occurs for gas methane)	yes (for measurement gas methane)
"Toxic twin" function	no	yes
IR LEL-sensor + XXS H2 HC: signal combination	no	yes**
Logistics		
Configurator (customer/country individual settings)	yes	yes
Discrete part number	yes	no
VN-Numbers (Janus): Customer / Country individual order numbers	yes	yes
Basic instrument part number (no sensors, no battery)	yes	yes

* selected countries may be excluded | ** please contact Dräger on availability of this feature/instrument

System components

D-40484-2021

Dräger Gas Detection Connect

Dräger Gas Detection Connect is your connection to the digital future of occupational safety. The system connects individual Dräger products through a smart software solution. Thanks to location- and time-independent access, you manage your equipment optimally and always have the position and status of your gas detection equipment and workers available. So you can protect your workforce and increase the efficiency of your plant at the same time.

D-47907-2012

Dräger X-dock® 5300/6300/6600

The Dräger X-dock® series provides you with full control of your portable Dräger gas detection instruments. Automatic bump tests and calibrations with reduced test gas consumption and short testing times save time and money. Comprehensive documentation and evaluations provide you with a clear overview.

ST-740-2006

Dräger Bump Test Station

Easy to use, stand-alone and portable. With the Bump Test Station, functionality tests of gas detection and warning devices can be carried out easily and quickly.

D-0494-2018

Test gases and accessories

Everything according to regulations: For the safe operation of devices, it is necessary to comply with directives and legal regulations. Regular calibrations and function tests are therefore necessary. Various systems support you in this.

System components

D-35438-2015-D-35437-2015

Dräger CC-Vision® & Dräger Gas-Vision®

PC software for setting parameters, testing and adjusting and reading out the data logger.

Accessories

D-6402-2021

Charging set

Desktop charger for individual or bulk charging of instruments. Worldwide adapters are also available.

Services

D-2331-2016

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.

D-2335-2016

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.

D-2330-2016

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 DrägerRental 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.

Related Products

D-3409-2022

Dräger X-am® 2800

The X-am 2800 multi-gas detector measures up to four gases and is equipped with a particularly shock-resistant CatEx SR sensor. With the Dräger Gas Detection Connect software, it offers live data transmission and powerful fleet management. Designed for personal monitoring, the X-am 2800 offers you the highest level of safety at a low cost of ownership.

D-410-2018

Dräger X-am® 3500

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 O_2, CO, H_2S, NO_2 and SO_2. The innovative signalling design and extensive range of accessories ensure optimum safety and easy handling.

D-6491-2017

Dräger X-am® 8000

Clearance measurement was never this easy and convenient:
The 1 to 7 gas detector detects toxic and flammable gases as well as vapours and oxygen all at once – either in pump or diffusion mode. Innovative signalling design and handy assistant functions ensure complete safety throughout the process.

Technical Data

Dimensions (H x W x D)	130 x 48 x 44 mm (5.12 x 1.89 x 1.73 in)
Weight	typically 220 to 250 g (7.76 to 8.82 oz), depending on sensor equipment
Housing	robust 2-component housing
Display	Matrix display with high resolution

Ambient conditions	
Temperature	-20 to +50°C (-4 to 122 F) (Measurement and storage)
	-40 to +50°C (-40 to 122 F) (Use in potentially explosive atmospheres)
Pressure	700 to 1,300 mbar (Measurement)
	800 to 1,100 mbar (Use in potentially explosive atmospheres)
Relative humidity	10 to 95 % r.h.
	5 to 95 % r.h. short term
Protection class	IP 68

Alarms	
Visual	3 LED 'red' (gas alarms)
	3 LED 'yellow' (device alarms)
Acoustic	Multi-tone > 90 dB at 30 cm (12 in)
Vibration	

More technical specifications	
Energy supply	NiMH battery, rechargeable, replaceable by user
Bluetooth®	Bluetooth 5.0 (disabled for some countries outside the EU and outside North America, but can be retrofitted. Contact DrägerService.)
Operating times	For CatEx SR and PID sensor: typical 12 h (Bluetooth® active), For IR sensor: typical 50 h (Bluetooth® active)
	Operating with electrochemical sensors only: typical 100 h
Charging time	< 4 h
Ready for Measurement	< 60 s after switch-on (CatEx SR and electrochemical sensors)
Data logger	Application of an optimised data compression method with high accuracy and large storage capacity. (Typically data compression >90 % compared to the traditional data logger concept with adjustable interval)

Approvals	
Marking Explosion protection:	
ATEX	I M1 Ex da ia I Ma
	II 1G Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
IECEx	Ex da ia I Ma
	Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
cCSAus (USA and Canada)	CSA approval cCSAus
	Class I, Zone 0, AEx da ia IIC T4/T3 Ga
	Class I, Division I, Groups A, B, C, D
	Class II, Division 1, Groups E, F, G
EAC	Contact Dräger for availability
Directives	2014/34/EU (ATEX)
	2014/53/EU (RED)
	2011/65/EU (RoHS)

Manufacturer's warranty
4 years for the device (electronics and housing)
5 years for the following sensors: XXS CO LC, XXS H_2S LC, XXS O_2
Other sensors: See DrägerSensor® & gas detection device handbook
3 years for: LEL CatEx SR
2 years for: O_2 PR
1 year for the power supply (accumulator)

Ordering information

Dräger X-am® 5800	
Part numbers	**Order no.**
Configurator	
Dräger X-am® 5800 (configurator) consisting of: Basic device (with data logger), delivery with manufacturer and calibration certificate. Configurator: up to 4 sensors can be selected, sensor configuration can be changed later in product life. Customer-specific settings (firmware) can be selected when ordering, examples: Measurement gas for the CatEx SR sensor (factory setting: methane), alarm thresholds, alarm behavior, quick menu options, D-light etc. Power supply (battery) optional (factory setting: with battery), without charger	37 03 850
Instruction for use included in the standard scope of delivery in the following languages: de, en, fr, es, pt, it, nl, ru, zh, ja	93 00 307
Instruction for use available in other languages: da, fi, no, sv, pl, hr, sl, sk, cs, bt, ro, hu, el, tr, ko, et, lv, lt	Available as download on the product page / www.draeger.com/ifu in the Internet. Part number: 93 00 428
Technical manual available in the following languages: de, en, fr, es, ru	Available as a downloaded on the product page: www.draeger.com/ifu in the Internet. Part number: 93 00 310
Selectable device options when placing the order	Number of instructions for use (for order n > 1)
	Bluetooth® communication protocol for integration into third-party systems (GATT licence)
	RFID transponder
Bluetooth® communication protocol (GATT licence) for subsequent activation	
Dräger X-am® Open GATT licence (1 pc.)	37 23 353
Dräger X-am® Open GATT licence (10 pcs.)	37 23 354
Dräger X-am® Open GATT licence (50 pcs.)	37 23 355
Slot 1: CatEx SR sensor / XD-IR sensor or PID neo sensor, as soon as available	
Slot 2 – 4: XXS-format electrochemical sensors, including 1 dual sensor	

Ordering information

DrägerSensors	Sample gases	Measuring range	Resolution	Expected service life	Order no.
CatEx SR (Shock Resitant)[1) 2)] (factory setting: methane, other measuring gases selectable)	methane, further gases adjustable (propane, pentane, nonane, hydrogen and many more)	0 – 100% LEL	1% LEL	> 4 years	68 51 900
	methane	0 – 5 Vol. %	0.1 Vol. %		
XXS O_2 [1)] (4 alarm thresholds)	oxygen	0 – 25 Vol. %	0.1 Vol. %	> 5 years	68 10 881
XXS O_2 PR (4 alarm thresholds, increased robustness)	oxygen	0 – 30 Vol. %	0.1 Vol. %	> 5 years	68 00 530
XXS CO LC [1)]	carbon monoxide	0 – 2,000 ppm	1 ppm	> 5 years	68 13 210
XXS H_2S LC [1)]	hydrogen sulphide	0 – 100 ppm	0.1 ppm	> 5 years	68 11 525
XXS SO_2 (option: with KX filter)	sulphur dioxide	0 – 100 ppm	0.1 ppm	> 3 years	68 10 885
XXS NO_2	nitrogen dioxide	0 – 50 ppm	0.1 ppm	> 3 years	68 10 884
XXS NO_2 LC	nitrogen dioxide	0 – 50 ppm	0.05 ppm	> 2 years	68 12 600
XXS H_2S-LC/CO-LC	hydrogen sulphide carbon monoxide	0 to 100 ppm 0 to 2,000 ppm	0.1 ppm 1 ppm	> 3 years	68 13 280
XXS O_2/CO-LC	oxygen carbon monoxide	0 to 25 Vol. % 0 to 2,000 ppm	0.1 Vol. % 1 ppm	> 3 years	68 13 275
XXS O_2/H_2S-LC	oxygen hydrogen sulphide	0 to 25 Vol. % 0 to 100 ppm	0.1 Vol. % 0.1 ppm	> 3 years	68 14 137
XXS CO H_2-CP (with compensation for hydrogen)	carbon monoxide	0 to 2,000 ppm	2 ppm	> 3 years	68 11 950
XXS O_2 100	oxygen	0 to 100 Vol. %	0.5 Vol. %	> 3 years	68 12 385
XXS CO HC	carbon monoxide	0 to 10,000 ppm	5 ppm	> 3 years	68 12 010
XXS H_2S HC	hydrogen sulphide	0 to 1,000 ppm	2 ppm	> 3 years	68 12 015
XXS PH_3	phosphine, other compounds available	0 to 20 ppm	0.01 ppm	> 3 years	68 10 886
XXS PH_3 HC	phosphine	0 to 2,000 ppm	1 ppm	> 3 years	68 12 020
XXS HCN	hydrogen cyanide	0 to 50 ppm	0.1 ppm	> 1.5 years	68 10 887
XXS HCN PC	hydrogen cyanide	0 to 50 ppm	0.5 ppm	> 1.5 years	68 13 165
XXS NH_3	ammonia	0 bis 300 ppm	1 ppm	> 2 years	68 10 888
XXS CO_2	carbon dioxide	0 to 5 Vol. %	0.1 Vol. %	> 1.25 years	68 10 889
XXS OV	ethylene oxide, other compounds available	0 – 200 ppm EO	0.5 ppm EO	> 2 years	68 11 530
XXS OV-A	ethylene oxide, other compounds available	0 – 200 ppm EO	1 ppm EO	> 2 years	68 11 535
XXS NO	nitric oxide	0 to 200 ppm	0.1 ppm	> 2 years	68 11 545
XXS H_2	hydrogen	0 to 2,000 ppm	5 ppm	> 2 years	68 12 370
XXS H_2 HC	hydrogen	0 to 4 Vol. %	0.01 Vol. %	> 2 years	68 12 025
XXS Odorant	tetrahydrothiophene, other compounds available	0 – 40 ppm	0.5 ppm	> 2 years	68 12 535

Ordering information

XXS Amine	methylamine, other compounds available	0 – 100 ppm	1 ppm	> 1.5 years	68 12 545
XXS Cl_2	chlorine, other compounds available	0 – 20 ppm	0.05 ppm	> 2 years	68 10 890
XXS O_3 (Ozone)	ozone	0 to 10 ppm	0.01 ppm	> 2 years	68 11 540
XXS $COCl_2$	phosgene	0 to 10 ppm	0.01 ppm	> 0.5 years	68 12 005
CatEx SR: T90 response time < 15 s (specified for methane/propane measuring gas), other response times: see DrägerSensor® & gas detection device handbook					
[1] Manufacturer's warranty: 3 years, The statutory rights for defects remain unaffected					
[2] Special calibration for the Ex sensor is possible (default: setting) methane, further target gas calibration and cross calibration is possible).					
CatEx SR, sample gas >methane< option: Automatic measuring range switching for measuring gas methane (2 sensitivity calibrations required)					

Ordering information

Power supply units/chargers	
Charging set Basic consisting of a charging module and a plug-in power supply (worldwide)	83 20 333
Battery and charging set (2.0): NiMH supply unit T4 with charging module and power supply unit (complete set)	37 03 889
NiMH supply unit T4 (2.0) (contents included in the scope of delivery in part numbers 37 03 850)	37 03 887
Charging adapter (for charging a rechargeable battery without X-am unit)	83 26 101
Charging module	83 18 639
Plug-in power supply (worldwide) for charging 1 unit	83 16 997
Plug-in power supply (worldwide) for up to 5 charging modules	83 16 994
Adapter for power plug (only necessary for 8321849 and 8321850)	83 25 736
Power supply unit 100-240 VAC; 1.33 A for up to 5 charging modules (power supply unit adapter 8325736 additionally required)	83 21 849
Power supply unit 100-240 VAC; 6.25 A for up to 20 charging modules (power supply unit adapter 8325736 additionally required)	83 21 850
Truck charger connection cable 12 V / 24 V for charging module (straight plug)	45 30 057
Truck charger connection cable 230 V for charging module (straight plug, for use on 230 V sockets with the vehicle installation bracket in vehicles)	83 15 675
Truck charger mounting bracket for a Dräger X-am® 1/2/5x00 charging module (base plate and strap). (also requires part number 4530057 or 8315675)	83 18 779
Replacement strap for truck charger bracket	83 18 788

Pump accessories	
Dräger X-am® Pump (includes USB charger, wall plug, and shoulder strap). Case not included.	83 27 115
GP600 Probe (plastic), with Luer connection	83 28 667
Telescopic probe ES 150, stainless steel (connection for filter is included in SN 8319364 (dust/water filter))	83 16 533
Floating probe (transparent), with adapter	83 27 654
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 25 712
Dust and water filter for pump inlet (replacement filter)	83 19 364
Dust and water filter for pump inlet (replacement filter, 20 pieces)	37 05 997
Confined space entry kit (free measuring) with external pump and 5 m FKM hose	83 27 117
Empty case, with space for X-am® 1/2/5x00, charging accessories, probe, gas cylinder, pump, 3 m hose and much more.	83 27 112
Other probes and hoses	On Request

Calibration accessories	
Calibration adapter for Dräger X-am® 1/2/5x00	83 18 752
Further versions and accessories Dräger X-dock® accessories	Please contact Dräger.
Automatic test station Dräger X-dock® 5300 (with master) 1/2/5x00	83 21 880
Dräger X-dock® module X-am® 125	83 21 890
Dräger X-dock® module X-am® 125+ (with charging function)	83 21 891
Dräger Bump Test Station for Dräger X-am® 1/2/5x00 (without gas cylinder)	83 19 131
Test gas: CH_4 2.5 Vol. %, O_2 17 Vol. %, CO 100 ppm, H_2S 25 ppm	45 94 655
Test gas: Other types	Please contact Dräger.
Other accessories (hoses, valves, etc.)	Please contact Dräger.

Ordering information

Accessories for measured vakue aquisition and configuration	
Dräger CC Vision	Freeware (www.draeger.com/software)
Dräger GasVision licence key	83 25 646 Trial version (www.draeger.com/software)
USB DIRA with USB cable, infrared USB communication adapter (note: Positioning is done with the calibration is made with the calibration adapter 8318752).	83 17 409

Dräger Gas Detection Connect	
Intro Licence includes: Access, infrastructure, connection of up to 99 X-dock stations, 5,000 credits, valid for one year after activation.	37 19 332
Basic Licence includes: IT infrastructure (data storage, maintenance, automatic feature updates, troubleshooting). 24/7 support, access	37 19 809
Asset licence includes: Definable number of X-dock stations, requires the basic licence	37 19 810
Asset Lite includes: One X-dock station, non-expandable, does not require a base licence	37 19 811
Credits includes: Definable number of credits for sending live data, orderable in packages of 1000 credits.	37 19 814

Other accessories	
Leather bag	83 18 755
Transponder reader (for reading the optionally integrated RFID transponder)	65 59 283
Set of stickers X-am® 2800/5800 silver (10x)	37 03 852
Set of stickers X-am® 2800/5800 red (10x)	37 03 853
Set of stickers X-am® 2800/5800 blue (10x)	37 03 854
Set of stickers X-am® 2800/5800 yellow (10x)	37 03 855
Set of stickers X-am® 2800/5800 green (10x)	37 03 856
Set display protection cover X-am 2800/5800 (10x)	37 03 857
E-set Upgrade RFID transponder (5 pcs.) (with adhesive tape) (with adhesive tape)	37 03 898
Seal ring extractor (for changing XXS sensors) (Selected sensors are supplied with a similar tool ex works)	R21402

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.

DMC-106131 | 23.04-1 | HQ | PP | Subject to modifications | © 2023 Drägerwerk AG & Co. KGaA

CORPORATE HEADQUARTERS
Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany

www.draeger.com

USA
Draeger, Inc.
7256 S. Sam Houston Parkway W.,
Suite 100
Houston, TX 77085
1 800 4DRAGER
(1 800 437 2437)

CANADA
Draeger Safety Canada, Ltd.
2425 Skymark Ave., Unit 1
Mississauga, Ontario L4W 4Y6
1 877 DRAGER1
(1 877 372 4371)

Locate your Regional Sales Representative at:
www.draeger.com/contact

Distributed by:
The Safety Equipment Store®
www.thesafetyequipmentstore.com
Email: besafe@thesafetyequipmentstore.com
Click Here to Learn More or to Shop Now at The Safety Equipment Store®