Dräger X-am® 2800
Multi-Gas Detector

The X-am 2800 multi-gas detector measures up to four gases and is equipped with a particularly shock-resistant CatEx 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.

Green illuminated D-light (optional) signals: tested and ready for use

CatEx SR (Shock Resistant): Measures flammable gases and vapours. Very high resistance to shock loads.

Label area for optional colour marking

Easy-to-read and language-free display gives the most important information at a glance

Dräger Gas Detection Connect support: fleet management with Dräger X-dock and data transmission with Bluetooth.

Robust clip with D-ring on the backside fastens securely

Intuitive visual alarm: red for gas alarm, yellow for instrument errors

DrägerSensors: XXS format (electrochemical sensors): fast, durable, reliable

Robust design: IP 68 rating, withstands water and dust, drop test > 2 m

Big buttons that can be operated even with gloves on

D-3409-2022

Dräger. Technology for Life®

Benefits

Powerful data analysis in the cloud

Safety and efficiency thanks to its networking capability: Transfer your recorded data directly and conveniently via Bluetooth to a smartphone and from there to the backend of the Gas Detection Connect software. As an alternative, you can also transfer the data directly to the cloud with the X-dock test station. This way, you have secure access to your data and its analysis at any time and from anywhere - simply via your internet browser.

Comfortable fleet management

With the X-am 2800 you can manage your fleet of equipment comfortably and efficiently in daily use. Save operating costs and time through fast tests by using the automatic test station X-dock with low gas consumption or a pure mechanical bump test station. Further advantages: powerful fleet management via our smart software solution, convenient firmware updates in the X-dock, an optional RFID transponder and individual colour marking of the devices. Few, easy-to-replace spare parts - including the power supply - and durable sensors ensure that your devices remain operational for many years. Dräger provides a 4-year manufacturer's warranty on the basic device. Existing, relevant accessories from its predecessor, the X-am 2500 can continue to be used.

Tailor-made gas monitoring

Small and lightweight: The X-am 2800 is comfortable to wear and easy to use even with gloves on thanks to its large buttons. 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. All this, plus the completely language-free icon based user interface, makes it pleasantly simple to use and familiarise yourself with. For your added safety, its oxygen channel has four alarm thresholds - real pre-alarms and main alarms for falling and rising concentrations. Approved for use in Ex zone 0, it has also been tested according to protection class IP 68.

Sensors: durable and powerful

The newly developed Ex sensor combines many advantages: readiness for calibration within seconds, extreme robustness against shocks and the measurement of flammable vapours - such as petrol, diesel and nonane. You can also set the measurement gas to 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. Upon testing, the X-am 2800 then takes over the necessary conversions. The sensor is target to meet the demanding requirements of the new IEC standard 60079-29-1 (International Electrotechnical Commission).

At the same time, the Ex sensor is resistant to poisoning substances such as silicones and other harmful substances. This combination of properties is exceptional. With years of experience in sensor technology, Dräger develops and produces the sensors itself, including the powerful and durable electrochemical sensors in the XXS format. Your advantage: sensors and device are perfectly matched to each other — saving you operating costs.

Benefits

Focus on sustainability

During the development of the X-am 2800, great importance was given to sustainability. The durable Dräger Sensors and the rechargeable power supply, which can be easily replaced with one screw, ensure it has a long service life. Almost all spare parts can be replaced by trained users, while all remaining parts can be repaired by Dräger Service. Furthermore, existing accessories from the previous series can still be used. Environmental protection has also been taken into account in the technical documentation and packaging: Designed to save paper, when you order two or more units, we can reduce the number of instruction manuals supplied if you order the modular version. For your convenience, Dräger also takes back old devices and ensures that they are recycled properly.

	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 / 3 x XXS Sensors	1 x CatEx/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

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.

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.

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.

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

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.
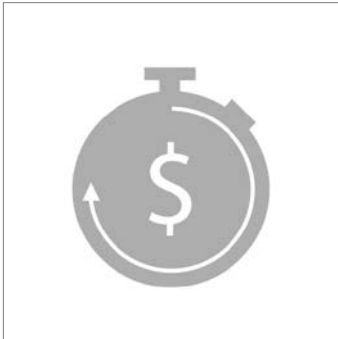
D-2335-2016

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-406-2018

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 (W × H × D)	130 x 48 x 44 mm (5,12 x 1,89 x 1,73")
Weight	typically 220 to 250 g, depending on sensor equipment
Housing	robust 2-component housing
Dipslay	Matrix display with high resolution

Ambient conditions

Temperature	-20 to+50 °C (Measurement and storage)
	-40 to+50 °C (Use in potentially explosive atmospheres)
Pressure	700 to 1300 mbar (Measurement)
	800 to 1100 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 alarm)
Audible	Multi-tone > 90 dB at 30 cm
Vibration	

More technical specifications

Energy supply	NiMH battery (no UN marking (dangerous goods) required during transport), replaceable by user, rechargeable
Bluetooth®	Bluetooth 5.0 (disabled for some countries outside the EU and outside North America, but can be retrofitted. Contact DrägerService).
Operating times	typical 12 h (Bluetooth active)
	typical 100 h without Ex-sensor
Charging time	< 4 h
Ready for measurement	< 60 s after switch-on
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)
CSA (USA & Canada)	Contact Dräger for availability
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)	
3 years for the sensors (except NO_2 (1 year) and SO_2 (2 years))	
1 year for the energy supply (accumulator)	

Ordering Information

Dräger X-am® 2800

Part numbers	Order no.
Dräger X-am 2800 Ex, O₂, CO, H₂S (settings: Factory default settings with standard alarm thresholds, unit CatEx: "%LEL", with power supply (rechargeable battery), without charger, CatEx: methane adjustment, oxygen 0 – 25 vol.-% measuring range). (For charging, additionally e.g. the charging set Basic is required, part number: 8320333)	3703918
Dräger X-am 2800 Set: 3703918 incl. power supply (rechargeable battery) and with charger/power supply unit	3703919
Dräger X-am 2800 Basic (without sensors, without power supply (battery), without charger)	3703920
Country versions or customer versions with individual settings (e.g. alarm thresholds) and individual sensor configurations	on request, please contact Dräger

Configurator

Dräger X-am 2800 (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 Ex sensor (factory setting: methane), alarm thresholds, alarm behaviour, quick menu options, D-light etc. Power supply (battery) optional (factory setting: with battery), without charger	3703900
Instruction for use included in the standard scope of delivery in the following languages: GER, EN, FR, ES, PT, IT, NL, RU, ZH, JA	9300307
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: 9300428
Technical manual available in the following languages: : GER, EN, FR, ES, RU	Available as download on the product page / www.draeger.com/ifu in the Internet. part number: 9300310
Selectable device options when placing the order	RFID transponder
	Number of instructions for use (for order n > 1)
	Bluetooth® - communication protocol for integration into third-party systems (GATT licence)
Bluetooth® communication protocol (GATT licence) for subsequent activation	
Dräger X-am Open GATT licence (1 pc.)	3723353
Dräger X-am Open GATT licence (10 pc.)	3723354
Dräger X-am Open GATT licence (50 pc.)	3723355
Slot 1: CatEx sensor	
Slot 2 – 4: Electrochemical sensors in XXS format	

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	6851900
	methane	0 – 5 Vol.-% CH4	0,1 Vol.-%		
XXS O$_2$ [1] (4 alarm thresholds)	oxygen	0 – 25 Vol%	0,1 Vol.-%	> 5 years	6810881
XXS O$_2$ PR (4 alarm thresholds, increased robustness)	oxygen	0 – 30 Vol%	0,1 Vol.-%	> 5 years	6800530
XXS CO LC [1]	carbon monoxide	0 – 2.000 ppm	1 ppm	> 5 years	6813210
XXS H$_2$S LC [1]	hydrogen sulphide	0 – 100 ppm	0,1 ppm	> 5 years	6811525
XXS NO$_2$	nitrogen dioxide	0 – 50 ppm	0,1 ppm	> 3 years	6810884
XXS SO$_2$ (with KX-Filter)	sulphur dioxide	0 – 100 ppm	0,1 ppm	> 3 years	6810885
All sensors: Response time T90: < 15 s (CatEx SR: specification for gas methane / propane)					
1) Manufacturer's warranty: 3 years, The statutory rights for defects remain unaffected, Manufacturer's warranty according to the conditions listed in the technical documentation.					
2) Special calibration for the Ex sensor is possible (default setting: methane, target gas calibration and cross calibration is possible).					
CatEx SR, sample gas "Methane" Option: No blocking alarm for sample gas methane (2 sensitivity calibrations required, display: overrange)					For availability of the function: Please contact Dräger

Power supply units / chargers

Charging set Basic consisting of a charging module and a plug-in power supply (worldwide) (contents included in the scope of delivery in part number 3703919)	8320333
Battery and charging set (2.0): NiMH supply unit T4 with charging module and power supply unit (complete set) (contents included in the scope of delivery in part number 3703919)	3703889
NiMH supply unit T4 (2.0) (contents included in the scope of delivery in part numbers 3703918 and 3703919)	3703887
Charging adapter (for charging a rechargeable battery without X-am unit)	8326101
Charging module	8318639
Plug-in power supply (worldwide) for charging 1 unit	8316997
Plug-in power supply (worldwide) for up to 5 charging modules	8316994
Adapter for power plug (only necessary for 8321849 and 8321850)	8325736
Power supply unit 100-240 VAC; 1.33 A for up to 5 charging modules (power supply unit adapter 8325736 additionally required)	8321849
Power supply unit 100-240 VAC; 6.25 A for up to 20 charging modules (power supply unit adapter 8325736 additionally required)	8321850
Truck charger connection cable 12 V / 24 V for charging module (straight plug)	4530057
Truck charger connection cable 230 V for charging module (straight plug, for use on 230 V sockets with the vehicle installation bracket in vehicles)	8315675
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).	8318779
Replacement strap for truck charger bracket	8318788

Ordering Information

Pump accessories

	for availability of the X-am pump: please contact Dräger
Dräger X-am® Pump (external pump)	8327100
GP600 Probe (plastic), with Luer connection	8328667
Telescopic probe ES 150, stainless steel (connection for filter is included in SN 8319364 (dust/water filter)).	8316533
Floating probe (transparent), with adapter	8327654
5 m FKM hose, 3.2 mm, with adapters	8325705
10 m FKM hose, 3.2 mm, with adapters	8325706
20 m FKM hose, 3.2 mm, with adapters	8325707
45 m FKM hose, 3.2 mm, with adapters	8325712
Dust and water filter for pump inlet (replacement filter)	8319364
Dust and water filter for pump inlet (replacement filter, 20 pieces)	3705997
Confined space entry kit (free measuring) with external pump and 5 m FKM hose	8327117
Empty case, with space for X-am® 1/2/5x00, charging accessories, probe, gas cylinder, pump, 3 m hose and much more.	8327112
Other probes and hoses	On request

Calibration accessories

Calibration adapter for Dräger X-am® 1/2/5x00	8318752
Further versions and accessories Dräger X-dock®	Please contact Dräger
Automatic test station Dräger X-dock® 5300 (with master) 1/2/5x00	8321880
Dräger X-dock module X-am 125	8321890
Dräger X-dock module X-am 125+ (with charging function)	8321891
Dräger Bump Test Station for Dräger X-am® 1/2/5x00 (without gas cylinder)	8319131
Dräger Bump Test Station for Dräger X-am® 1/2/5x00 incl. gas cylinder 58 L (gas and concentration selectable)	8319130
Test gas: CH4 2.5 vol%, O_2 18 vol%, CO 50 ppm, H_2S 15 ppm	6811130
Test gas: Other types	Please contact Dräger
Nonan tester for Dräger X-am® 1/2/5x00	8320080
Other accessories (hoses, valves, etc.)	Please contact Dräger

Accessories for measured value acquisition and configuration

Dräger CC-Vision	Freeware (www.draeger.com/software)
Dräger GasVision licence key	8325646 Trial Version (www.draeger.com/software)
USB DIRA with USB cable, communication adapter infrared to USB (Note: Positioning is done with the calibration is made with the calibration adapter 8318752).	8317409

Dräger Gas Detection Connect

GDC Intro Licence	3719332
includes: Access, infrastructure, connection of up to 99 X-dock stations, 5,000 credits, valid for one year after activation.	
GDC Basic Licence	3719809
includes: IT infrastructure (data storage, maintenance, automatic feature updates, troubleshooting). 24/7 support, access	
GDC Asset Licence	3719810
includes: Definable number of X-dock stations, requires the basic licence	
GDC Asset Lite	3719811
includes: One X-dock station, non-expandable, does not require a base licence	
GDC Credits	3719814
includes: Definable number of credits for sending live data, orderable in packages of 1000 credits.	

Ordering Information

Other accessories

Leather bag	8318755
Transponder reader (for reading the optionally integrated RFID transponder)	6559283
Set of stickers X-am 2800/5800 silver (10x)	3703852
Set of stickers X-am 2800/5800 red (10x)	3703853
Set of stickers X-am 2800/5800 blue (10x)	3703854
Set of stickers X-am 2800/5800 yellow (10x)	3703855
Set of stickers X-am 2800/5800 green (10x)	3703856
Set display protection cover X-am 2800/5800 (10x)	3703857
E-set Upgrade RFID transponder (5 pcs.) (with adhesive tape)	3703898
Seal ring extractor (for changing XXS sensors).	R21402
(Selected sensors are supplied with a similar tool ex works).	

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