

## Dräger X-am<sup>®</sup> 2500 Multi-Gas Detector

INSTRUMENTS • CONTROLS • VALVES

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**ARCO**

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Dräger's X-am<sup>®</sup> 2500 accurately detects O<sub>2</sub>, CO, NO<sub>2</sub>, SO<sub>2</sub> and H<sub>2</sub>S and is the only 1–4 gas monitor you need in industrial and refinery applications. The X-am<sup>®</sup> 2500 combines reliable sensor technology with long battery life and intuitive operation in an instrument that defines safety. It is approved for most markets including mining, oil & gas, chemical, fire and hazardous response, government and many other applications.



## Benefits

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### 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.

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### 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.

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### 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 using several 500 – 550 mL/min of gas flow.<sup>1</sup> The X-am 2500 is also compatible with the Dräger Bump Test Station.

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### 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.

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### 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.

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### 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

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### 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.

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### 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 O<sub>2</sub> sensor. These readings can be easily reset after a gas exposure without having to turn the monitor off and on.

<sup>1</sup>X-dock bump test stated times are typical results; stated gas consumption is based upon calibration gas flow of 0.3 L /minute 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-1636-2007

### 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-11857-2016



### 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.

D-12284-2009



### Power pack & charging set

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

ST-14350-2008



### Car charging adapter

## Accessories



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Vehicle charger mounting kit



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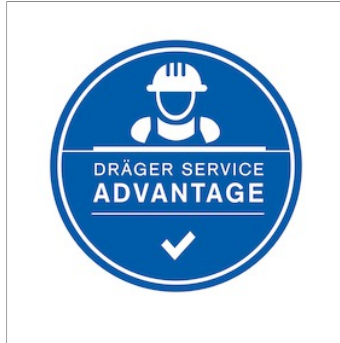
Calibration cradle



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Leather carrying case

## 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-23418-2017

### Dräger X-am® 5000

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.



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.

## Related Products



D-6491-2017

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### 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 vapors and oxygen all at once – either in pump or diffusion mode. Innovative signalling design and handy assistant functions ensure complete safety throughout the process.



D-30746-2015

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### Dräger Configuration and Evaluation Software

Tailor-made Dräger software makes saving measurement results, professionally configuring gas detection instruments, and viewing performance data possible.



## 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 <sub>2</sub>
		EN 45544	CO & H <sub>2</sub> 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 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)
MSHA			

## Ordering Information

X-am® 2500	Order No.
X-am® 2500 Ex/O <sub>2</sub> /CO/H <sub>2</sub> S, NiMH w/charger kit	45 42 261
X-am® 2500 Ex/O <sub>2</sub> /CO/H <sub>2</sub> S, Alkaline Battery Pack	45 42 262
X-am® 2500 configured per request	83 23 900
<b>Charging Accessories</b>	
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

## Ordering Information

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
<b>Pump Accessories</b>	
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
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

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