

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

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, mining and refinery applications. The X-am 2500 combines reliable sensor technology with long battery life and intuitive operation in an instrument that defines safety.



## 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 instruments. 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 98 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.

## System Components



### DrägerSensor® XXS

A small sensor—one giant step into the future: The new DrägerSensor® XXS range is remarkably compact and boasts an even higher performance than the competition.

## System Components



ST-740-2006

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### Dräger Bump Test Station

Easy-to-use, stand-alone, and flexible: With the Bump Test Station, function tests of gas detection and warning devices can be carried out easily and independently of the location.



ST-1636-2007

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### Dräger Catalytic Ex-Sensors

The Draeger Sensor Catalytic Ex-Sensors measure multiple gases at the same time--combustible gases and vapors in the air.



D-47907-2012

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### 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



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### 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-12284-2009



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### Power pack & Charging set

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

ST-14350-2008



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### Car charging adapter

ST-15012-2008



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### Vehicle charger mounting kit

## Accessories



**Calibration cradle**



**Leather carrying case**



**Dräger X-am 125, external pump**

External pump for hose length of up to 30 meters (98 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 inserted. The change between diffusion and pump operation is quickly and easily possible without any need for additional tools or steps.

## Related Products

D-27784-2009



### Dräger X-am® 5600

Innovation in the palm of your hand. Dräger X-am® 5600 – Unprecedented protection from the market's smallest, infrared-capable, six-gas personal monitor. In combination with our revolutionary X-zone® you have one of the most powerful area monitors in the world.

ST-67-2006



### Dräger X-am® 7000

Dräger X-am® 7000 is the innovative solution for the simultaneous and continuous measurement of up to five gases. A combination of more than 25 sensors allows flexible solutions to individual monitoring tasks. It is the ideal companion in a variety of applications where the reliable detection of oxygen, toxic and combustible gases and vapors is necessary.

ST-9-666-2007



### Dräger X-am® 5000 Personal Monitor

The smallest gas detection instrument for up to five gases, the Dräger X-am® 5000 belongs to a new generation of detectors developed especially for personal monitoring. It reliably measures oxygen, organic vapors, combustible gases, and harmful concentrations of CO, H<sub>2</sub>S, CO<sub>2</sub>, Cl<sub>2</sub>, HCN, NH<sub>3</sub>, NO<sub>2</sub>, PH<sub>3</sub>, and SO<sub>2</sub> with high sensitivity to keep the user safe.

D-4846-2014



### Dräger X-zone® 5500

Dräger's X-zone 5500 brings a safer, more effective way to monitor hazardous gases--reinventing area monitoring. In combination with the Dräger X-am® 5000, 5100, or 5600 gas detection instruments, the X-zone® 5500 can be used for the measurement of up to six gases and extends the range of your portable gas detection technology exponentially.

## Technical Data

Dimensions (W × H × D)		48 × 130 × 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 1300 mbar (20.7 to 38.4 inch Hg)	
	Relative humidity	10 to 95 % r.h.	
Protection class		IP 67	
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	
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 <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 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)		

## Ordering Information

X-am® 2500 NiMH	Order No.
X-am® 2500 Ex/CO, NiMH w/charger kit	45 42 283
X-am® 2500 Ex/H <sub>2</sub> S, NiMH w/charger kit	45 42 285
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/NO <sub>2</sub> , NiMH w/charger kit	45 42 263
X-am® 2500 Ex/O <sub>2</sub> /CO, NiMH w/charger kit	45 42 265
X-am® 2500 Ex/O <sub>2</sub> /H <sub>2</sub> S, NiMH w/charger kit	45 42 267
X-am® 2500 Ex/O <sub>2</sub> , NiMH w/charger kit	45 42 269
X-am® 2500 O <sub>2</sub> /CO/H <sub>2</sub> S-LC NiMH w/charger kit	45 42 273
X-am® 2500 Ex, NiMH w/charger kit	45 42 271
X-am® 2500 O <sub>2</sub> /CO NiMH w/charger kit	45 42 275
X-am® 2500 O <sub>2</sub> /H <sub>2</sub> S-LC NiMH w/charger kit	45 42 277
X-am® 2500 O <sub>2</sub> /H <sub>2</sub> S-LC NiMH w/charger kit	45 42 279



## Ordering Information

### X-am® 2500 Alkaline

X-am® 2500 Ex/O <sub>2</sub> /CO/H <sub>2</sub> S, Alkaline Battery Pack	45 42 262
X-am® 2500 Ex/O <sub>2</sub> /CO/NO <sub>2</sub> , Alkaline	45 42 264
X-am® 2500 Ex/O <sub>2</sub> /CO, Alkaline Battery Pack	45 42 266
X-am® 2500 Ex/O <sub>2</sub> /H <sub>2</sub> S, Alkaline Battery Pack	45 42 268
X-am® 2500 Ex/O <sub>2</sub> , Alkaline Battery Pack	45 42 270
X-am® 2500 Ex, Alkaline Battery Pack	45 42 272
X-am® 2500 O <sub>2</sub> /CO/H <sub>2</sub> S-LC Alkaline	45 42 274
X-am® 2500 O <sub>2</sub> /CO Alkaline	45 42 276
X-am® 2500 O <sub>2</sub> /H <sub>2</sub> S-LC Alkaline	45 42 278
X-am® 2500 Ex/O <sub>2</sub> /H <sub>2</sub> S-LC/SO <sub>2</sub> Alkaline	45 42 280
X-am® 2500 CO/H <sub>2</sub> S, Alkaline Battery Pack	45 42 282
X-am® 2500 Ex/H <sub>2</sub> S, Alkaline Battery Pack	45 42 286
X-am® 2500 Ex/CO, Alkaline Battery Pack	45 42 284

### Power Supply Units

NiMH Battery Pack, X-am 1/2/5000	83 18 704
Battery Holder, Alkaline, 2 "AA"	83 18 703
AA Alkaline Battery (2 req'd)	45 88 195
NiMH Battery Kit	83 18 785
NiMH HC power pack T4	83 22 244
Alkaline power pack (w/o batteries)	83 22 237
NiMH HC power pack T4 with charging module and PSU (complete set)	83 22 785

### Charging Accessories

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
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

### Pump Accessories

Remote Sampling Pump, X-am® 1/2/5000	83 19 400
X-am® 2500 Confined Space Kit for Ex, O <sub>2</sub> , CO and H <sub>2</sub> S	45 42 260
Confined Space Entry Set for X-am® 1/2/5000 Pump	45 43 760
Dust/Water Stop Filter for 8319400 Pump	45 43 759
Kit, pump inlet w/nut, X-am® 1-2-5000 Spare	45 94 854
PX2 pump 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
Telescopic Probe, 4.5 feet	45 10 546
Telescopic Probe, 6.5 feet	45 10 545

## Notes

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