

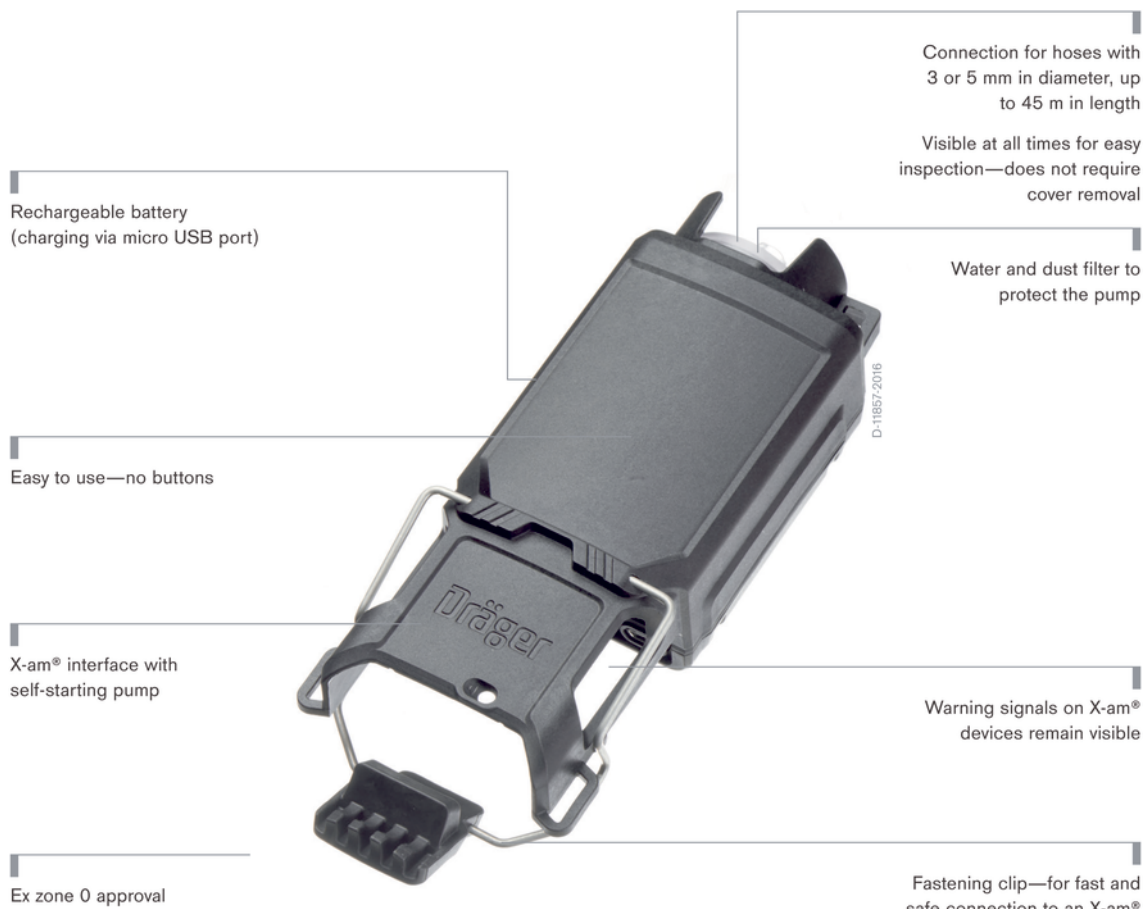


Northside Sales, Co.  
Safety & Industrial Products  
800-467-9005



## Dräger X-am® Mark II Pump External pump for multi-gas detectors

The Dräger X-am® Mark II Pump is an external pump for the Dräger X-am® 2500, 5000, and 5600 portable gas detectors—designed for clearance measurement, for example in tanks and shafts. The pump automatically switches on when it is connected to a running X-am® device. The change from pump mode to diffusion mode is fast and easy.



## Benefits

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### Easy to use

The pump is attached onto the X-am 2500/5000/5600 and fastened with a clip. Pumping starts automatically once pump and running gas detection device are connected. The pump turns off automatically once it is removed from the device. Using the X-am with the pump has no effect on the measuring performance for standard gases.

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### Charging via USB

The pump battery can be recharged using the micro USB port. A standard cellphone charger can be used for connecting. The charge status is indicated by an LED on the pump. A full charge requires approximately six hours.

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### Handy and robust

The pump's easily manageable 6.9 inch/17.5 cm device height and light weight permit easy carrying and storage. The Dräger X-am pump is dust and water resistant according to the IP67 protection classification. It performs reliably even at temperatures down to -40°C/-40°F. The battery is solid cast to protect against damage due to dropping or impact.

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### Effective range of measuring results: with explosion protection

The pump can reach the ambient atmosphere in inaccessible places—up to a distance of 45 m/147 feet, e.g. in channels, shafts, or tank systems. The pump has been optimized for hoses with a diameter of 3 mm/0.12 in— for fast response times and low power consumption.

Because the Dräger X-am 2500/5000/5600 detector and the pump have an explosion protection approval for Ex Zone 0, you are assured secure and continued monitoring of enclosed areas.

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### Long operating time for deployments

The pump is not only highly resilient on the outside but also inside. Operating time is at least 20 hours of continuous monitoring, depending on type of application and operating temperature. The operating time of the X-am is not decreased when the pump is in operation. Moreover, the entire pump operating time can be evaluated using CC-vision software.

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### Data logger

Pump operating time, charge status, battery warnings, and flow alarm are displayed on the Dräger X-am and stored in the data logger. This makes it possible to display the results of the clearance measurements separately from the evaluations of personal monitoring.

## System Components



D-4704-2017

### X-am® Pump Basic CSE Set

The CSE Set X-am® Pump contains pump, float probe, 5 m/16.4 ft FKM hose and shoulder strap.



D-43530-2015

### Dräger X-am® 2500 Personal Monitor

Dräger's X-am® 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® 2500 combines reliable sensor technology with long battery life and intuitive operation in an instrument that defines safety.



ST-1639-2007

### Dräger X-am® 5000

The Dräger X-am® 5000 belongs to a generation of gas detectors, developed especially for personal monitoring applications. This 1- to 5-gas detector reliably measures combustible gases and vapors as well as O<sub>2</sub> and harmful concentrations of toxic gases, organic vapors, odorant and amine.



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.

## Accessories



D-4701-2017

### Expanded X-am® CSE-Kits

Two expanded kits consist of a pump with USB cable and charger, telescopic and float probe, 5 m/16.4 ft FKM hose, 3 m/0.12 in PVC hose, X-am charging set, test gas pressure regulator, pump filter, calibration adapter, 1 m rubber hose and DIRA adapter with USB cable for a read out of the data logger. One kit includes a standard 4 gas X-am® 2500 with Ex , O<sub>2</sub>, CO and H<sub>2</sub>S sensors, calibration gas, and alkaline and NiMH batteries. The other allows selection of any X-am®, calibration gas and is upgradeable to a NiMH battery.



D-4741-2017

### Float probe

For clearance measurement, for example, in tanks and shafts.



D-4747-2017

### Telescopic probe ES 150

For leak detection. A probe made of stainless steel extendable to 1.5 m/4.9 ft with FKM grade hose.



D-4743-2017

### USB power supply with USB Cable

This replacement USB power supply, shown with separately orderable USB cable, charges the Dräger X-am® Mark II Pump.

## Accessories



### Case for Dräger X-am® Pump

The carrying case for the Dräger X-am® pump contains the shoulder strap and has room for storing the power cord, charging unit, and hose.



### Shoulder strap

Shoulder strap with two spring hooks for the X-am® pump.



### 5 m FKM hose (diameter 3 mm/0.12 in)

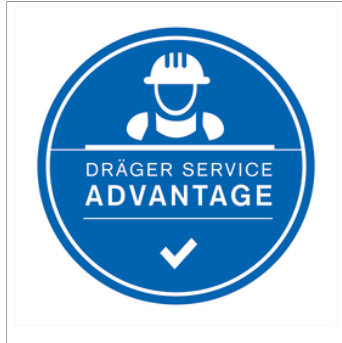
The solvent-resistant FKM hose with a diameter of 3 mm/0.12 in speeds up flushing time and saves weight. It is available by the meter/foot or with suitable fittings for water and dust filter as well as probes.



### Leather case

The leather case is designed to protect the X-am® device and pump. It comes equipped with a belt loop on the reverse and can be used to house the pump also when it has been separated from the X-am®.

## Services



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### 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.

## Technical Data

### Dräger X-am® Pump

Dimensions	2.6" x 6.9" x 1.5" (67 x 175 x 38 mm) (without X-am®) 2.6" x 8.7" x 2.2" (67 x 220 x 55 mm) (with X-am®)
Weight	7.1 ounces (approx. 200 g)
Operating temperature	-4 °F to 122 °F (-20 °C to 50 °C) (briefly -40 °F (-40 °C))
Allowable ambient temperature when charging	32 °F to 95 °F (0 to 35 °C)
Charging time	< 6 hours
Operating time	>20 hours, depending on type of application and temperature
Maximum hose length	45 m
Air flow volume	0.4 L/min
Storage temperature	Up to 1 month -4 °F to 140 °F (-20 °C to 60 °C), otherwise -4 °F to 113 °F (-20 °C to 45 °C)
Pressure	700 to 1,300 hPa
Air humidity	0 to 95 % RH
IP protection class	IP67
Approvals	c_CSA_us ATEX/IECEx (Zone 0 T4 and M1) DNV-GL CE label

## Ordering Information

Pump Accessories	Order No.
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® 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 and 5 mm)	83 19 364
Clamp	56 00 956
Telescopic Probe ES 150, 1.5 m/4.9 ft	83 16 533
Float probe	83 27 654
5 m FKM hose (diameter 3 mm)	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

## Notes

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