



Dräger Pac 8000 Single-Gas Detector

With the robust Dräger Pac 8000, you'll be well equipped for tough conditions: this non-disposable, personal single-gas detection device is a reliable and precise instrument, which detects hazardous concentrations of 29 different gases, including special gases like NO_2 , O_3 or COCl_2 . Measured data can easily be transmitted into the Dräger Gas Detection Connect system via Bluetooth®.

Dräger Pac 8000



Easy fastening with tightly closing crocodile clip

Illuminating D-Light shows device is: tested and ready

Robust and lightweight design for long wear in tough conditions

Clear color coding prevents mistakes

Easily replaceable filter membrane protects the sensor

Large and language free display shows all important information

360° alarm signal can be easily seen from all sides

D-45502-2021

Benefits

Single-gas detector

- for personal air monitoring
- detection of 29 different gases - including special gases such as nitrogen dioxide, ozone or phosgene
- non-disposable

Strong performance for maximum safety

You can count on the Dräger Pac 8000 to give you reliable, precise readings at any time even in extreme conditions. Our powerful sensors with a low t-90 response time ensure quick reactions. In addition to the standard alarms, you can define extra alarm thresholds for TLV®/TWA* and STEL*.

*TLV®/TWA = Threshold Limit Values / Time Weighted Average, STEL = Short Term Exposure Limit

Sensors for special gases

The Pac 8000 can be fitted with sensors for carbon dioxide (CO₂), chlorine gas (Cl₂), hydrogen cyanide (HCN), ammonia (NH₃), nitrogen dioxide (NO₂), phosphine (PH₃) and organic vapours (OV or OV-A).

The Dräger Pac 8000 performs especially well when detecting different special gases: it can detect ozone (O₃) from concentrations as low as 0.02 ppm and phosgene (COCL₂) from 0.01 ppm. The Pac 8000 detects nitrogen dioxide (NO₂) from concentrations as low as 0.04 ppm.

Robust design – even for the toughest conditions

The Pac 8000 can easily handle even extreme conditions. The sensors can tolerate air pressures between 700 and 1,300 mbar. A membrane filter protects the sensor from foreign matter such as dust and liquids. The shock-proof, chemical-resistant housing meets the requirements specified in the IP68 standard rating.

Easy handling thanks to clear user guidance

The D-Light indicates whether functionality of the device has been tested and that it is ready to use. The housing is also designed with your safety in mind: each sensor variant of the Dräger Pac 8000 features clear, well visible colour coding, thereby minimising the chance of mistakes.

User-friendly display with all important information

The large display is non-verbal and clearly indicates the respective gas concentration. Other important information, such as the unit of concentration and battery capacity, is also displayed. The bright backlighting ensures that all values can be clearly read off in the dark.

360° alarm with various functions

If the Dräger Pac 8000 measures hazardous gas concentrations, it sets off an audible, visual and noticeable vibrating alarm. Two bright, flashing LEDs on the top and bottom of the device ensure that the alarm is easily visible from all sides. The acoustic signal reaches a volume of 90 dB. The display can show the peak concentration measured at any given moment. Earlier alarms registered can also be retrieved at a later time even if acknowledged.

Benefits

Data logger and event logger for analyses and reports

The Pac 8000 logs concentrations and events along with date and time. The data can be downloaded to a PC via an interface and processed further there. With the new Gas Detection Connect system – and thus the integrated X-dock stations – you can view and download the logs from a central cloud-based asset management system. Available anytime from anywhere.

Bluetooth® communication

With the new Bluetooth® enabled Pac you can wirelessly transmit live measurement values into the Dräger Gas Detection Connect system. You can easily track the location of the worker and their Pac by connecting the device to the Gas Detection Connect gateway app. Dräger Pac devices can be integrated into third party applications via OpenGATT protocol.

Economical operational costs

All of the versions of the Dräger Pac 8000 are equipped with extremely durable Dräger sensors and a powerful battery.

The Pac 8000 is protected against water, dust and other foreign bodies by a special membrane filter. When the filter becomes heavily soiled in use, you can quickly and easily replace it yourself. The device is then ready to use again in no time.

Fast function test saves time and money

Function tests and calibrations can be carried out especially efficiently in the Dräger X-dock calibration station. The automatic bump tests in the X-dock are a cost-efficient and convenient solution thanks to short test duration and the extremely low test gas consumption. The Pac 8000 is simply placed in the bump test station and automatically selects the correct setting.

Dräger Pac product range at a glance

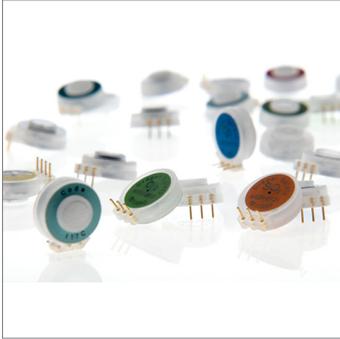
	 Dräger Pac 6000	 Dräger Pac 6500	 Dräger Pac 8000	 Dräger Pac 8500
Limited operating time (2 years) ¹	•			
Unlimited operating time		•	•	•
Service life indicator	•	(•) ²	(•) ²	(•) ²
Temperature to -40 °C	• ³	• ³	• ³	• ³
Battery capacity indicator	•	•	•	•
Replaceable sensor grid	•	•	•	•
Peak	•	•	• ⁴	•
TLV®/TWA ⁵		•	•	•
STEL ⁶		•	•	•
Event logger	•	•	•	•
Data logger	•	•	•	•
Bluetooth®/Open GATT option		•	•	•
Standard gases	•	•		
Special gases			•	
Dual sensor				•

¹ Lifetime extension available ² Configurable ³ Briefly down to -40 °C for 1 hr, depending on sensor ⁴ Does not apply to ozone or phosgene
⁵ TLV® = Threshold Limit Values/TWA = Time Weighted Average ⁶ STEL = Short Term Exposure Limit

pac-productfamily-en-master

System Components

D-12191-2010



DrägerSensor XXS

Dräger has developed miniature electrochemical sensors specially for the Dräger Pac, X-am 1/2/5 and X-am 8000 generation. The sensors detect many different gases and vapours. They are also very reliable and stable over the long-term, thereby reducing your operating costs.

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.

D-24997-2020



Dräger Bump Test Station

Easy function testing on site

Accessories

D-30746-2015



Dräger Configuration and Evaluation Software

Save measurement results, professionally configure gas detection instruments and viewing performance data – all that is possible with the tailor-made Dräger software.

D-0494-2018



Calibration gas and accessories

Calibration of equipment will ensure safe operation and functionality of equipment and will also meet with the applicable regulations and codes of practice. Various calibration gas options are easily available.

ST-5018-2005



Communication module

The communication module (including a USB cable) connects the device to configuration and analysis software. It is also used for manual bump testing and calibration. The test gas is supplied to the Pac device through the gas inlet or outlet.

Services

D-2330-2016



Rental service

Whether you need to cover a temporary shortage or require specialised equipment for demanding conditions, for short-term needs, Dräger Rental Service provides a cost-effective solution with over 65,000 devices available. It's quick, simple and comes with a wide range of additional services upon request.

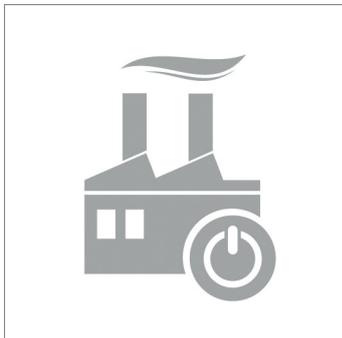
D-2334-2016



Finance service

High-quality solutions for every budget: Cutting-edge equipment gives you a competitive edge. We help you make cost-effective investments with attractive financing options that ease budget constraints and increase financial flexibility. Dräger Finance Service has different models for different requirements. Whether you want to rent-to-buy or lease equipment, together we can find the right solution for you.

D-2329-2016



Shutdown Safety Service

Looking for an all-in-one safety solution? Are you facing strict regulatory requirements with tight deadlines? Balancing maximum efficiency with optimal security can pose major challenges. We can help you achieve that balance. Our Shutdown Safety Service is designed to cover all aspects of downtime while catering to your specific requirements.

D-2332-2016



On-site safety services

Whether through a rental shop, personnel services or comprehensive safety management, our on-site safety services support projects with increased safety risks, as well as everyday operations.

Related Products

D-16271-2024



Dräger Pac 6000

The disposable personal single-gas detection device, Dräger Pac 6000, measures CO, H₂S, SO₂ or O₂ reliably and precisely, even in the toughest conditions. The robust design, quick sensor response times, and a powerful battery ensure maximum safety for up to two years with virtually no maintenance required.

D-16279-2024



Dräger Pac 6500

The robust Dräger Pac 6500 is your reliable companion in tough conditions. The personal single-gas detector quickly and accurately measures CO, H₂S, SO₂ or O₂ levels. The measurement data can be easily transferred via Bluetooth® to the Dräger Gas Detection Connect system. Fast sensor response and a long-lasting battery enhance safety.

D-16320-2024



Dräger Pac 8500

The Dräger Pac 8500 single-gas detection device is a reliable and precise instrument even under the toughest of conditions. Measured data can easily be transmitted into the Dräger Gas Detection Connect system via Bluetooth®. The device can be equipped with a hydrogen-compensated CO sensor or a Dräger dual sensor. This gives you the option of measuring two gases at once: H₂S with CO, H₂S with O₂ or O₂ with CO.

Technical Data

Dräger Pac 8000

Dimensions (without clip) W x H x D	64 x 84 x 20 mm (2.5 x 3.3 x 0.8 in)	
Weight	Approx. 3.7 ounces, 106 g (4.0 ounces, 113 g with clip)	
Battery service life	2 years	
Degree of protection	IP68	
Air pressure	700 to 1,300 hPa	
Air humidity	10 to 90% relative humidity, non-condensing	
Temperature	-30 °C to +55 °C (-22 °F to 131 °F) (briefly down to -40 °C/F for 1 hr, depending on sensor)	
Approvals	ATEX	I M1 Ex ia I Ma II 1G Ex ia IIC T4 Ga
	IECEX	Ex ia I Ma Ex ia IIC T4 Ga
	CSA (Canada & USA)	Class I, Zone 0, AEx ia IIC T4 Ga Class II, Division 1, Groups E, F, G
	EAC	PO Ex ia I Ma X 0Ex ia IIC T4 Ga X

Ordering Information

Dräger Pac 8000

Description	Measuring range	Alarm thresholds A1/A2	Bluetooth	Order number
Dräger Pac 8000 NO	0 – 50 ppm	25 / 50 ppm	VN01561	8326350
Dräger Pac 8000 CO ₂	0 – 5 Vol.%	0.5 / 1 Vol.%	VN01557	8326351
Dräger Pac 8000 Cl ₂	0 – 20 ppm	0.5 / 1 ppm	VN01556	8326352
Dräger Pac 8000 HCN	0 – 50 ppm	1.9 / 3.8 ppm	VN01559	8326353
Dräger Pac 8000 NH ₃	0 – 300 ppm	20 / 40 ppm	VN01560	8326354
Dräger Pac 8000 PH ₃	0 – 20 ppm	0.1 / 0.2 ppm	VN01566	8326355
Dräger Pac 8000 OV	0 – 200 ppm	10 / 20 ppm	VN01563	8326356
Dräger Pac 8000 OV-A	0 – 200 ppm	10 / 20 ppm	VN01564	8326357
Dräger Pac 8000 NO ₂	0 – 50 ppm	5 / 10 ppm	VN01562	8326358
Dräger Pac 8000 Ozone	0 – 10 ppm	0.1 / 0.2 ppm	VN01565	8326359
Dräger Pac 8000 Phosgene	0 – 10 ppm	0.1 / 0.2 ppm	VN01567	8326360
Dräger Pac 8000	See above	As per customer request		8326342
Bluetooth® communication protocol (GATT licence) for subsequent activation				
Dräger Pac Open GATT licence (1 pc.)		3721647		
Dräger Pac Open GATT licence (10 pc.)		3721648		
Dräger Pac Open GATT licence (50 pc.)		3721649		

Calibration accessories

Calibration adapter (does not include USB cable) (see P/n 5318587)	8318588
Dräger X-dock 5300 Pac	8321881
Dräger Bump Test Station for Dräger Pac, without gas cylinder	8317410

Communication accessories

Dräger CC-Vision Basic, available free of charge at www.draeger.com	
Communication module, including USB cable	8318587

Ordering Information

Replacement parts

Battery (purple)	8326856
Sensor grid (silver)	8326852
Crocodile clip set	8319186

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Notes

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