



Dräger Pac® 8000 Single-Sensor Detector

With the robust Dräger Pac® 8000, you'll be ready for tough conditions. This non-disposable, personal single-gas detector is a reliable and precise instrument, which detects hazardous concentrations of twenty nine different gases, including special gases like H₂, NO₂, O₃ or COCl₂. 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 housing for tough conditions

Clear color coding prevents mistakes

D-45502-2021



Replaceable filter membrane protects sensor

Large display shows all important information

360° alarm signal can be easily seen from all sides

D-45502-2021_pi.indd

Benefits

Single-gas detector

- for personal air monitoring
- detection of twenty nine different gases - including special gases such as hydrogen, 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 in extreme conditions. Our powerful sensors with a fast 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 hydrogen (H₂), carbon dioxide (CO₂), chlorine gas (Cl₂), hydrogen cyanide (HCN), ammonia (NH₃), nitrogen dioxide (NO₂), phosphine (PH₃) and organic vapors (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 extreme conditions. The sensors can tolerate air pressures between 700 and 1,300 mbar and 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, clear color coding, this helps minimize 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 in low light or dark environments.

360° alarm with various functions

If the Dräger Pac 8000 measures hazardous gas concentrations, it sets off an audible, visual and noticeable vibration alarm. Two bright, flashing LEDs on the top and bottom of the device ensure that the alarm is easily visible from all sides and the acoustic signal reaches a volume of 90 dB at 1 ft (30 cm) distance. The display can show the peak concentration measured at any given moment and previous alarms can also be retrieved at a later time even if acknowledged.

Benefits

Data logger and event logger for analyses and reports

The Pac 8000 records the date and time of concentrations and events. The data can be downloaded to a PC via an interface and processed for future use. The new Gas Detection Connect platform and the integrated X-dock stations allow you to view and download the data from a central cloud-based asset management system. So the data can be 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 platform. You can easily track the location of the Pac by connecting the device to the Gas Detection Connect gateway app. Dräger Pac devices can also 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 sensor® XXS 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 contaminated, you can quickly and easily replace it. The device is then ready to be used with little down time.

Fast function test saves time and money

Function tests and calibrations can be carried out 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 ⁷		•	•	•
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 ⁷ Bluetooth must be ordered via the configured part number and must be specified on the order

pac-productfamily-en-us

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



D-47907-2012

Dräger X-dock® 5300/6300/6600

The Dräger X-dock® provides a modular solution for bump/functional testings, calibrations, and storage of documentation.



D-25000-2020

Dräger Bump Test Station

Easy to use, stand-alone and portable. With the Bump Test Station, functional tests of gas detection and warning devices can be carried out easily and quickly.

Accessories



D-30746-2015

Dräger Configuration and Evaluation Software

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

Accessories

D-0494-2018



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.

ST-5018-2005



Calibration Adapter

The communication module (including USB cable) is used to connect the equipment to the configuration and evaluation software. The module is also used for the manual bump test or manual calibration. The test gas is introduced to the Pac device through the gas inlet or outlet.

Services

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 Dräger Rental 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.

Services

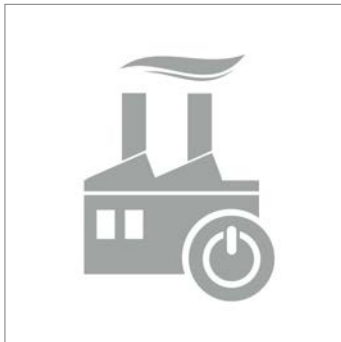
D-2334-2016



Finance Service

Quality for every budget: state-of-the-art instruments and equipment are a key competitive factor. We help you implement investments in a financially effective manner: with attractive procurement options that increase your financial leeway, relieve the pressure on budgets and give you greater flexibility. Dräger Finance Service offers various options for different requirements. Whether rent-to-buy or leasing– we will work with you to find the right solution.

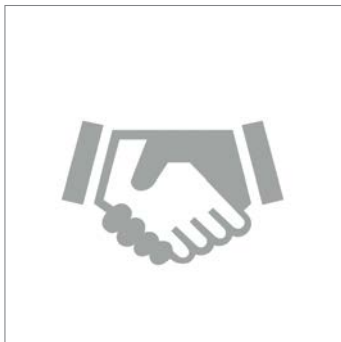
D-2329-2016



Shutdown Safety Service

You need a comprehensive safety technology solution which equips you optimally for your project. You have to comply with many different legal requirements– even under intense time pressure. A potential conflict could arise between maximum efficiency and the highest possible degree of safety. We help you to establish a balance: Our Shutdown Safety Service is a solution which takes into account all of the requirements for a shutdown, and your individual needs in particular.

D-2332-2016



On-site Safety Service

Rental shop, personnel services or comprehensive safety management: Our on-site safety services provide you with support for all projects involving special safety challenges– and of course also during your day-to-day operations.

Related Products

D-4985-2017



Dräger Pac® 6000

The Dräger Pac® 6000 disposable personal gas detector 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-4987-2017



Dräger Pac® 6500

The robust Dräger Pac® 6500 is your reliable companion under tough conditions. The personal single-gas detection device measures CO, H₂S, SO₂ or O₂ quickly and precisely. Quick sensor response times and a replaceable battery also ensure safety.

D-4996-2017



Dräger Pac® 8500

The Dräger Pac® 8500 single-sensor detection device is a reliable and precise instrument even under the toughest of conditions. The detector can be equipped with a hydrogen-compensated CO sensor or a Dräger dual sensor. The dual sensors provide the option of measuring two gases at once: H₂S with CO, O₂ with CO, H₂S with O₂, or HCN with CO.

Technical Data

Dräger Pac® 8000

Dimensions (without clip) W x H x D	2.5 x 3.3 x 0.8 in (64 x 84 x 20 mm)	
Weight	approx. 3.7 oz (106 gram)	
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	-22 F to 131 F (-30 °C to +55 °C) (briefly down to -40 °F/C 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	Order number
Dräger Pac® 8000 NO	0– 200 ppm	25 / 50 ppm	83 26 350
Dräger Pac® 8000 CO ₂	0– 5 Vol.%	0.5 / 1 Vol.%	83 26 351
Dräger Pac® 8000 Cl ₂	0– 20 ppm	0.5 / 1 ppm	83 26 352
Dräger Pac® 8000 HCN	0– 50 ppm	2.5 / 4.5 ppm	83 28 276
Dräger Pac® 8000 NH ₃	0– 300 ppm	25 / 50 ppm	83 28 277
Dräger Pac® 8000 PH ₃	0– 20 ppm	0.1 / 0.2 ppm	83 26 355
Dräger Pac® 8000 OV	0– 200 ppm	10 / 20 ppm	83 26 356
Dräger Pac® 8000 OV-A	0– 200 ppm	10 / 20 ppm	83 26 357
Dräger Pac® 8000 NO ₂	0– 50 ppm	2.5 / 5 ppm	83 28 275
Dräger Pac® 8000 Ozone	0– 10 ppm	0.1 / 0.2 ppm	83 26 359
Dräger Pac® 8000 Phosgene	0– 10 ppm	0.1 / 0.2 ppm	83 26 360
Dräger Pac® 8000 H ₂	0– 4 Vol.%	20 / 40 % LEL or 0.8 / 1.6 Vol.%	37 29 680
Dräger Pac® 8000	See above	As per customer request	83 26 342

Calibration accessories

Calibration adapter	83 18 588
Dräger X-dock® 5300 Pac	83 21 881
Dräger Bump Test Station for Dräger Pac®, without gas cylinder	83 17 410

Communication accessories

Dräger CC-Vision Basic, available free of charge at www.draeger.com	
Communication module, including USB cable	83 18 587

Replacement parts

Battery	83 26 856
Sensor grid (silver)	83 26 852
Crocodile clip set	37 03 866

TLV[®] is a registered trademark of ACGIH[®].

Not all products, features, or services are for sale in all countries.
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to www.draeger.com/trademarks to find the current status.

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA

Moislinger Allee 53-55

23558 Lübeck

www.draeger.com

USA

Draeger, Inc.

7256 S. Sam Houston Parkway W.,

Suite 100

Houston, TX 77085

☎ 1 800 4DRAGER (1 800 437 2437)

Manufacturer



Locate your Regional Sales
Representative at:
www.draeger.com/contact