

## 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 twenty nine different gases, including special gases like NO<sub>2</sub>, O<sub>3</sub> or COCl<sub>2</sub>.



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## Benefits

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### 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<sup>®\*</sup> and STEL<sup>\*</sup>.

\* TLV<sup>®</sup> = Threshold Limit Values, STEL = Short Term Exposure Limit

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### Sensors for special gases

The Dräger Pac 8000 performs especially well when detecting a variety of special gases. The Pac 8000 can be fitted with sensors for carbon dioxide (CO<sub>2</sub>), chlorine gas (Cl<sub>2</sub>), hydrogen cyanide (HCN), ammonia (NH<sub>3</sub>), nitrogen dioxide (NO<sub>2</sub>), phosphine (PH<sub>3</sub>) and organic vapors (OV or OV-A).

Further demonstrating the capabilities of Dräger gas detectors is that the Dräger Pac 8000 performs especially well when detecting other gases as well. It can detect ozone (O<sub>3</sub>) from concentrations as low as 0.02 ppm and phosgene (COCl<sub>2</sub>) from 0.01 ppm. The Pac 8000 detects nitrogen dioxide (NO<sub>2</sub>) from concentrations as low as 0.04 ppm.

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### 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 by the IP68 standard rating.

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### Easy handling thanks to clear user guidance

The D-Light indicates whether the 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, easily visible color coding, thereby minimizing the chance of mistakes.

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### User-friendly display with all important information

The large display 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 the dark.

## Benefits

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### 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.

### 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.

### 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.



## System Components



D-479107-2012

### 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.



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.

## 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



### 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.



### 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



### 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-4977-2017

### Dräger Pac® 6000

The Dräger Pac® 6000 disposable personal gas detector measures CO, H<sub>2</sub>S, SO<sub>2</sub> or O<sub>2</sub> 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, H<sub>2</sub>S, SO<sub>2</sub> or O<sub>2</sub> quickly and precisely. Quick sensor response times and a replaceable battery also ensure safety.



D-4986-2017

### Dräger Pac® 8500

The Dräger Pac® 8500 single-gas 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: either H<sub>2</sub>S with CO or O<sub>2</sub> 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 ounces, 106 g (4.0 ounces, 113 g with clip)
Battery service life	Min. 2 years (O <sub>2</sub> and dual sensors min. 12 months)
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 / -40 °C for 1 hr, depending on sensor)
Approvals	cCSA <sub>US</sub> , IECEx, ATEX, CE

## Ordering Information

### Dräger Pac® 8000

Description	Measuring range	Alarm thresholds A1/A2	Order number
Dräger Pac® 8000 NO	0 – 50 ppm	25 / 50 ppm	83 26 350
Dräger Pac® 8000 CO <sub>2</sub>	0 – 5 Vol. %	0.5 / 1 Vol. %	83 26 351
Dräger Pac® 8000 Cl <sub>2</sub>	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 <sub>3</sub>	0 – 300 ppm	25 / 50 ppm	83 28 277
Dräger Pac® 8000 PH <sub>3</sub>	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 <sub>2</sub>	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® 8000/8500	As per customer request	As per customer request	83 26 342
<b>Calibration accessories</b>			
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	
Dräger Bump Test Station for Dräger Pac®, including one test gas cylinder (gas and concentration selectable)		83 18 586	
<b>Communication accessories</b>			
Dräger CC-Vision Basic, available free of charge at <a href="http://www.draeger.com">www.draeger.com</a>			
Communication module, including USB cable		83 18 587	
<b>Replacement parts</b>			
Battery		83 26 856	
Sensor grid (silver)		83 26 852	
Crocodile clip set		83 19 186	
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## Notes

## Notes

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