

## Dräger Pac® 6500 Single-Sensor Detector

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.



## Benefits

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### Strong performance for maximum safety

You can rely on the Dräger Pac 6500: the personal single-gas detection device warns against hazardous concentrations of carbon monoxide, hydrogen sulfide, sulfide dioxide or oxygen with precision and reliability.

Powerful sensors with a very low t-90 response time ensure quick reactions. The Pac 6500 is versatile thanks to its wide measurement range. For example, the CO sensor measures concentrations from 1 to 1,999 ppm, and the H<sub>2</sub>S sensor from 0.4 to 100 ppm.

### Easy handling thanks to clear user guidance

The D-Light indicates whether functionality of the device has been tested and whether it is ready to use. The housing is also designed with your safety in mind: each sensor variant of the Dräger Pac 6500 features clearly visible color coding, thereby minimizing the chance of mistakes.

### Robust design – even for the toughest conditions

The Pac 6500 is easily handled in even extreme conditions. Depending on the sensor, temperatures from -40 °C to 55 °C and air pressures between 700 and 1,300 mbar can be tolerated.

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.

### User-friendly display with all important information

The large display clearly indicates the respective gas concentration. Other important information, such as the battery capacity, is also displayed. The bright backlighting ensures that all values are clearly legible in the dark.

### 360° alarm with various functions

If the Dräger Pac 6500 measures hazardous gas concentrations, it sets off an audible, visual and perceptible 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 they have been acknowledged.

The Pac 6500 with oxygen sensor has two additional alarm thresholds in addition to the standard alarm threshold settings. This provides an additional level of safety as a pre-alarm, in addition to the main alarm, can be set for both oxygen enriched and oxygen deficient atmospheres.

## Benefits

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### Data logger and event logger for analyses and reports

The Dräger Pac 6500 logs concentrations and events along with the date and time. The data can be loaded on a PC via an interface and processed further there.

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### Economical operating costs

All versions of the Pac 6500 are equipped with extremely durable DrägerSensors and a powerful battery.





The Pac 6500 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 right away.

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### Fast function test saves time and money

Function tests and calibrations can be carried in the Dräger X-dock® calibration station. The automatic bump tests in the X-dock are a cost-efficient and convenient solution thanks to the short test duration and the extremely low consumption of test gas. The Pac 6500 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)	•			
Unlimited operating time		•	•	•
Service life indicator	•	(•) <sup>1</sup>	(•) <sup>1</sup>	(•) <sup>1</sup>
Temperature to -40°C	•	•		
Battery capacity indicator	•	•	•	•
Replaceable sensor grid	•	•	• <sup>2</sup>	•
Peak	•	•	•	•
TWA-TLV <sup>3</sup>		•	•	•
STEL <sup>4</sup>		•	•	•
Event logger	•	•	•	•
Data logger	•	•	•	•
Standard gases	•	•		
Special gases			•	
Dual sensor				•
<sup>1</sup> Configurable <sup>3</sup> TWA-TLV® = Time Weighted Average Threshold Limit Value				
<sup>2</sup> Does not apply to ozone or phosgene <sup>4</sup> STEL = Short Term Exposure Limit				

System Components



D-12/19f-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.

## Accessories

ST-5080-2005



### 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-19072-2016



### 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 Pac® 6500

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> sensors min. 12 months)
Protection class	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® 6500

Description	Measuring range	Alarm thresholds A1/A2	Order number
Dräger Pac® 6500 CO	0 – 2.000 ppm	35 / 50 ppm	83 27 614
Dräger Pac® 6500 H <sub>2</sub> S	0 – 100 ppm	10 / 15 ppm	83 27 613
Dräger Pac® 6500 O <sub>2</sub>	0 – 25 Vol.-%	19.5 / 23.5 Vol.-%	83 27 616
Dräger Pac® 6500 SO <sub>2</sub>	0 – 100 ppm	0.5 / 1 ppm	83 28 274
Dräger Pac® 6500 CO (Canada)	0 – 2.000 ppm	25 / 50 ppm	83 27 615
Dräger Pac® 6500	As per customer request	As per customer request	83 26 341

### 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
Dräger Bump Test Station for Dräger Pac®, including one test gas cylinder (selectable gas and concentration)	83 18 586

### Communication accessories

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

### Spare parts

Battery	83 26 856
Sensor grid (black)	83 26 853
Crocodile clip set	83 19 186

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