



Dräger Pac 6500

Single-gas detector

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.

Dräger Pac 6500



Benefits

Single-gas detector

- for personal monitoring
- Detects carbon monoxide, oxygen, hydrogen sulphide or sulphur dioxide
- Unlimited service life

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 sulphide, sulphur 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 2,000 ppm, and the H₂S sensor from 0.4 to 100 ppm.

Intuitively designed for user-friendly operation

The D-Light indicates whether functionality of the device has been tested and if 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 colour coding, minimising the chance of mistakes.

Robust design for even the harshest conditions

The Pac 6500 can easily handle even extreme conditions: Depending on the sensor, it can withstand temperatures from -40°C (-40°F) to 55°C (131°F) and air pressures between 700 and 1,300 mbar.

A membrane filter protects the sensor from foreign matter such as dust and liquids. The housing is IP68-rated for resistance to impact and chemicals.

User-friendly display with all important information

The large, icon-based display clearly shows the gas concentration and other essential information, such as battery status. Bright backlighting ensures clear readability in low-light conditions.

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 angles. The audible alarm reaches 90 dB. The display can show the measured peak concentration. Previously recorded alarms can be reviewed later, even after acknowledgement.

The Pac 6500 with an oxygen sensor includes two additional alarm thresholds alongside the standard settings.

Integrated data and event logging for analysis and reporting

The Dräger Pac 6500 logs concentrations and events along with the date and time. Data can be transferred to a PC for further analysis via an interface.

Benefits

Cost-effective operation

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

The Pac 6500 is protected against water, dust and other foreign matter 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.

A quick function test saves time and reduces costs.

Function tests and calibrations are particularly efficient with the Dräger X-dock calibration station. The automated bump tests in the X-dock offer a cost-effective and convenient solution thanks to their short test duration and exceptionally low test gas consumption. The Pac 6500 is simply placed in the bump test station and automatically selects the correct mode.

Bluetooth® communication

With the 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. Additionally, you can communicate with the Gas Detection Connect system via the Dräger ConHub explosion-proof gateway. Dräger Pac devices can be integrated into third party applications via OpenGATT protocol.

Dräger Pac product range at a glance

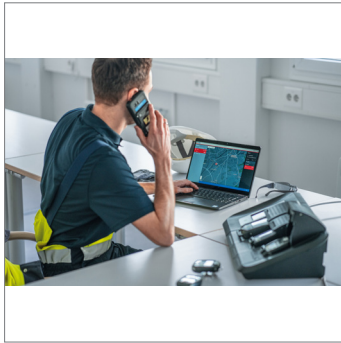
pac-productfamily-en-master

	 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

System Components

D-40484-2021



Gas Detection Connect

Dräger Gas Detection Connect is your connection to the digital future of occupational safety. The system connects individual Dräger products through a smart software solution. Thanks to location- and time-independent access, you manage your equipment optimally and always have the position and status of your gas detection equipment and workers available. So you can protect your workforce and increase the efficiency of your plant at the same time.

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

D-0494-2018



Test gases and accessories

Everything according to regulations: For the safe operation of devices, it is necessary to comply with directives and legal regulations. Regular calibrations and function tests are therefore necessary. Various systems support you in this.

System Components

D-35438-2015-D-35437-2015



Dräger CC-Vision & Dräger Gas-Vision

PC software for setting parameters, testing and adjusting and reading out the data logger

D-12779-2023



Dräger ConHub

Automated area monitoring gives you maximum safety with a minimal workload. The explosion-proof Dräger ConHub serves as a gateway that automatically connects your Dräger gas detectors from any location to Dräger Gas Detection Connect, our live monitoring solution. This helps you monitor vulnerable areas more closely, so you get the most out of your gas detection system, while also improving safety at your location.

ST-5018-2005

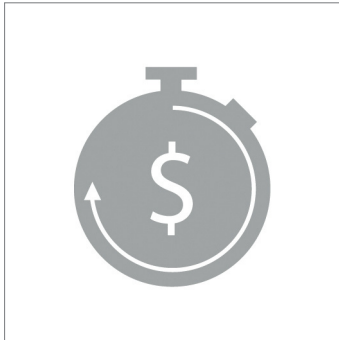


Communication module

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.

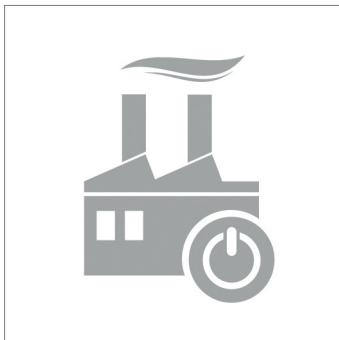
D-2334-2016



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.

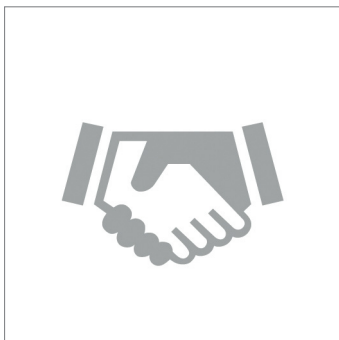
D-2329-2016



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-16293-2024



Dräger Pac 8000

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 NO₂, O₃ or COCl₂. Measured data can easily be transmitted into the Dräger Gas Detection Connect system via Bluetooth®.

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 6500

Dimensions (without crocodile clip) (W x H x D)	2.5 x 3.3 x 0.8 in (64 x 84 x 20 mm)	
Weight	approx. 106 g (113 g with crocodile clip)	
Battery service life	2 years (O ₂ sensors: 10 months)	
Safety rating	IP68	
Atmospheric pressure	700 to 1,300 hPa	
Humidity	10 to 90% relative humidity, non-condensing	
Temperature	-30°C to +55°C (briefly down to -40°C for up to 1 hour, depending on the sensor)	
Certifications	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, A/Ex 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 6500

Description	Measuring range	Alarm thresholds A1/A2	Bluetooth	Order number
Dräger Pac 6500 CO	0 – 2.000 ppm	30 / 60 ppm	VN01548	8326331
Dräger Pac 6500 H ₂ S	0 – 100 ppm	5 / 10 ppm	VN01549	8326330
Dräger Pac 6500 O ₂	0 – 25 vol.%	19 – 23 vol.%	VN01550	8326332
Dräger Pac 6500 SO ₂	0 – 100 ppm	0.5 / 1.0 ppm	VN01551	8326333
Dräger Pac 6500	See above	By request		8326341

Calibration accessories

Calibration adapter	8318588
Dräger X-dock Pac 5300	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

Replacement parts

Battery (purple)	8326856
Sensor grid (black)	8326853
Crocodile clip set	8319186

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Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

Notes

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