

## Dräger Pac<sup>®</sup> 7000 Single-Gas Detection Device

Safety at the workplace always takes priority: depending on the sensor selection, the single gas detector, Dräger Pac<sup>®</sup> 7000, provides a reliable warning against dangerous concentrations of 14 different gases. Unique: the optional 5-year warranty for the H<sub>2</sub>S, O<sub>2</sub> and CO versions.

### Tightly fastening crocodile clip

- Easy to attach, e.g. on the clothes

### Unique gas access entry

- Gas access from the top and from the front side

### Robust housing

- Also suitable for very rough environments

### Clear, non-verbal (pictorial) concentration display

- All important information at a glance

### Sensor designation

- Designation of the sensor types in color and in writing

### 360° alarm

- Easily visible from all sides



## Benefits

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### Warns against hazardous gas concentrations

Every working day places the highest demands on gas monitoring. The device reliably warns against hazardous concentrations of carbon monoxide, hydrogen sulphide (including a Low Concentration option), oxygen, carbon dioxide, sulphur dioxide, chlorine, hydrogen cyanide, ammonia, nitrogen dioxide, nitrogen monoxide, phosphine and organic vapours.

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### Robust and long-lasting

Protective rubber ensures that the casing of the Dräger Pac 7000 is particularly shock-proof. The device meets the strict dust and water protection requirements specified in IP 68. The electromagnetic resistance has also been optimised. Dräger has designed the Dräger Pac 7000 for unlimited lifetime. When needed, the sensors can be simply replaced.

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### Simple calibration and configuration

The bump test mode and sensitivity calibration can be selected via a password-protected menu. The fresh air calibration can be optimally protected using a password. The device is equipped with an infrared interface and can be connected to a PC via a communication cradle in order to activate the desired functions or download stored data.

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### Innovative miniature sensors

The innovative Dräger XXS sensors react quickly and produce reliable measurement results. Very short diffusion paths inside the device, as well as the sensors' rapid electrochemical reactions, ensure that any gas-related dangers are displayed as soon as they occur. For maximum safety, the sensor is positioned inside the housing such as to allow gas to reach it from above and from the front. This guarantees flawless measurement, even when the gas entry has been accidentally obstructed.

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### Fast bump tests with the Dräger Bump Test Station

To perform an automatic function test with a known gas concentration within a matter of seconds, the device is simply inserted into the Dräger Bump Test Station. The display informs the user if the bump test (function test) was successful. If the test is not performed within a certain time frame, the device can be set-up to deactivate itself.

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### Triple alarm for extra safety

As soon as the adjustable alarm thresholds are exceeded, or values fall below the configured oxygen concentration, the Dräger Pac 7000 immediately issues an audible, visual and vibrating alarm. In addition, the device is also equipped with adjustable TWA and STEL alarms. The user is also warned when the battery is low or a functional error has occurred.

## Benefits

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### 5-year guarantee option

Dräger offers an optional 5-year warranty for the hydrogen sulphide, oxygen and carbon monoxide monitors.

## System components

D-12191-2010



### DrägerSensor XXS

A small sensor - a giant step into the future: The new DrägerSensor XXS range is remarkably compact, and boasts an even higher performance than the competition.

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.

## System components



ST-740-2006

### Dräger Bump Test Station

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

## Accessories



ST-14956-2008

### Leather carrying case



ST-5018-2005

### Calibration adapter

## Accessories

D-2099-2011



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### Water and Dust Filter

D-77451-2013



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### Communication Module

Complete with USB cable

D-30746-2015



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### 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.

ST-5080-2005



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### 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 options are available to provide this facility.

## Related Products

D-1328-2009



### Dräger Pac® 3500

Fast and reliable, accurate and maintenance-free for up to 2 years: Dräger Pac 3500 is ideal for the industrial personal monitoring of carbon monoxide, hydrogen sulphide or oxygen.

D-537-2009



### Dräger Pac® 5500

Longer assignments are its speciality: the single gas instrument, Dräger Pac® 5500, has no lifetime limitation, and is ideal for fast and accurate personal monitoring and the detection of carbon monoxide, hydrogen sulphide or oxygen.

## Ordering Information

### Dräger Pac® 7000

| Description                                        | Measuring range | Alarm threshold<br>A1/A2 (standard) | Resolution | Response time T90 | Order number |
|----------------------------------------------------|-----------------|-------------------------------------|------------|-------------------|--------------|
| Dräger Pac® 7000<br>H <sub>2</sub> S <sup>1)</sup> | 0 – 200 ppm     | 5/10 ppm                            | 1 ppm      | 13 sec.           | 83 18 674    |
| Dräger Pac® 7000<br>H <sub>2</sub> S <sup>2)</sup> | 0 – 200 ppm     | 10/20 ppm                           | 1 ppm      | 13 sec.           | 83 18 971    |
| Dräger Pac® 7000<br>H <sub>2</sub> S               | 0 – 200 ppm     | Customer request                    | 1 ppm      | 13 sec.           | 83 18 677    |
| Dräger Pac® 7000<br>H <sub>2</sub> S LC            | 0 – 200 ppm     | Customer request                    | 0.1 ppm    | 13 sec.           | 83 21 004    |
| Dräger Pac® 7000<br>O <sub>2</sub> <sup>1)</sup>   | 0 – 25 Vol.-%   | 19/23 Vol.-%                        | 0.1 Vol.-% | 20 sec.           | 83 18 675    |
| Dräger Pac® 7000<br>O <sub>2</sub> <sup>2)</sup>   | 0 – 25 Vol.-%   | 19.5/23.5 Vol.-%                    | 0.1 Vol.-% | 20 sec.           | 83 18 972    |
| Dräger Pac® 7000<br>O <sub>2</sub>                 | 0 – 25 Vol.-%   | Customer request                    | 0.1 Vol.-% | 20 sec.           | 83 18 678    |
| Dräger Pac® 7000<br>CO <sup>1)</sup>               | 0 – 1999 ppm    | 30/60 ppm                           | 2 ppm      | 11 sec.           | 83 18 673    |
| Dräger Pac® 7000<br>CO                             | 0 – 1999 ppm    | Customer request                    | 2 ppm      | 11 sec.           | 83 18 676    |
| Dräger Pac® 7000<br>CO <sup>2)</sup>               | 0 – 1999 ppm    | 35/50 ppm                           | 2 ppm      | 11 sec.           | 83 18 970    |
| Dräger Pac® 7000<br>CO LC                          | 0 – 1999 ppm    | 30/60 ppm                           | 1 ppm      | 15 sec.           | 83 23 015    |
| Dräger Pac® 7000<br>CO <sub>2</sub>                | 0 – 5 Vol.-%    | Customer request                    | 0.1 Vol.-% | 30 sec. T50       | 83 18 975    |
| Dräger Pac® 7000<br>Cl <sub>2</sub>                | 0 – 20 ppm      | Customer request                    | 0.05 ppm   | 30 sec.           | 83 18 978    |
| Dräger Pac® 7000<br>HCN                            | 0 – 50 ppm      | Customer request                    | 0.1 ppm    | 10 sec. T50       | 83 18 973    |
| Dräger Pac® 7000<br>HCN PC                         | 0 – 50 ppm      | Customer request                    | 0.5 ppm    | 10 sec. T50       | 83 24 830    |
| Dräger Pac® 7000<br>NH <sub>3</sub>                | 0 – 300 ppm     | Customer request                    | 1 ppm      | 10 sec. T50       | 83 18 979    |
| Dräger Pac® 7000<br>NO <sub>2</sub>                | 0 – 50 ppm      | Customer request                    | 0.1 ppm    | 15 sec.           | 83 18 977    |
| Dräger Pac® 7000<br>NO                             | 0 – 200 ppm     | Customer request                    | 1 ppm      | 10 sec.           | 83 21 263    |
| Dräger Pac® 7000<br>PH <sub>3</sub>                | 0 – 20 ppm      | Customer request                    | 0.01 ppm   | 10 sec.           | 83 18 974    |
| Dräger Pac® 7000<br>OV                             | 0 – 200 ppm     | Customer request                    | 0.5 ppm    | 20 sec. T50       | 83 21 006    |
| Dräger Pac® 7000<br>OV-A                           | 0 – 200 ppm     | Customer request                    | 1 ppm      | 40 sec. T50       | 83 21 007    |
| Dräger Pac® 7000<br>SO <sub>2</sub>                | 0 – 100 ppm     | Customer request                    | 1 ppm      | 15 sec.           | 83 18 976    |

<sup>1)</sup>Standard configuration Europe

<sup>2)</sup> Standard configuration North America

## Ordering Information

### 5-year warranty (excl. filter and battery)

|                                         |               |                  |            |         |           |
|-----------------------------------------|---------------|------------------|------------|---------|-----------|
| Dräger Pac® 7000<br>5Y H <sub>2</sub> S | 0 – 100 ppm   | Customer request | 1 ppm      | 13 sec. | 83 21 032 |
| Dräger Pac® 7000<br>5Y O <sub>2</sub>   | 0 – 25 Vol.-% | Customer request | 0.1 Vol.-% | 20 sec. | 83 21 033 |
| Dräger Pac® 7000<br>5Y CO               | 0 – 1999 ppm  | Customer request | 2 ppm      | 11 sec. | 83 21 031 |

### ACCESSORIES FOR THE DRÄGER PAC® SERIES

|                                                                                                            |           |
|------------------------------------------------------------------------------------------------------------|-----------|
| Leather carrying case                                                                                      | 45 43 822 |
| <b>Communication accessories</b>                                                                           |           |
| Dräger CC-Vision Basic, free at <a href="http://www.draeger.com">www.draeger.com</a>                       |           |
| Communication module, incl. USB cable                                                                      | 83 18 587 |
| <b>Calibration accessories</b>                                                                             |           |
| Calibration adapter                                                                                        | 83 18 588 |
| Dräger X-Dock® 5300 Pac®                                                                                   | 83 21 881 |
|                                                                                                            | 83 17 410 |
| Dräger Bump test station for Dräger Pac®, order gas separately                                             |           |
| Dräger Bump Test Station for Dräger Pac®, Incl. a test gas cylinder 58L (gas and concentration selectable) | 83 18 586 |
| <b>Spare parts</b>                                                                                         |           |
| Lithium battery                                                                                            | 45 43 808 |
| Sensor filter (4 pcs.)                                                                                     | 83 23 615 |
| Set-Grip Clip                                                                                              | 83 19 186 |
| *on the electronics, with the exception of the battery                                                     |           |

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