Dräger Pac® 7000

Small and robust, ergonomic and intuitive, economic and powerful – the Dräger Pac 7000 is tailor-made for personal monitoring at the workplace. This innovative single gas detector is equipped with a wide range of functions and is suitable for many different applications in day-to-day industrial settings. The detector is an impressive instrument, offering a high level of reliability and rapid warning against harmful concentrations of CO, CO₂, Cl₂, HCN, H₂S, NH₃, NO₂, O₂, PH₃, SO₂.

Small and robust
With its compact, handy, pocket-sized design, Dräger Pac 7000 is tailor-made for personal monitoring in daily work activities. Dräger Pac 7000 was specially designed as a small and robust instrument to meet work requirements. The impact-resistant housing features a protective rubber coating and is resistant to corrosive chemicals. Dräger Pac 7000 meets the requirements of IP 65. What is more, protection against electromagnetic effects was specially optimized, while a stable and tightly locking crocodile clip made of stainless steel allows the instrument to be fastened securely to the wearer’s clothing. To allow for individual preferences, the crocodile clip can be turned and the two alarm lights are positioned diagonally opposite at the corners of the instrument. Easy battery and sensor replacement are key factors to ensure a long instrument life.

Concentration display
The concentration display uses no written text (to avoid language problems), showing all information in the form of large numerals or symbols. In case of an alarm, or at the push of a button, the display can be backlit for better readability. The currently measured concentration is displayed continuously, as are notice and warning functions. In addition, the respective peak concentration, average concentration (TWA value) and short-term exposure limit (STEL) relating to the measurement period can be accessed.

New sensor technology "en miniature"
Dräger Pac 7000 boasts the latest in sensor technology. The small size of the sensor supports the application-oriented design of the instrument. Any gas hazards that may occur are displayed immediately thanks to the very short diffusion paths inside the instrument and the extremely quick electrochemical reaction times achieved by the new sensors. The sensor is positioned inside the housing such as to allow gas to reach it from above and from in front. This positioning minimizes the danger of the gas inlet opening being accidentally covered.

Alarm / warning functions
In conjunction with a vibration alarm, a visual and audible alarm is triggered if the two adjustable alarm thresholds are exceeded (or if oxygen levels fall below the set value). For optimum perception a two-tone alarm is used. Furthermore, Dräger Pac 7000 features an adjustable TWA alarm.
and STEL alarm. A warning is likewise given at the end of the battery capacity or in the event of a device error.

**Bump test mode**
The safety of personnel must always have the first priority. Their safety depends on measurement and warning equipment functioning perfectly, which is why national regulations demand regular testing of equipment function using a known gas concentration. Dräger Pac 7000 is equipped with a bump test mode. When a bump test (function test or challenge test) needs to be performed, a notice icon appears on the screen. The bump test interval can be set by the user. The result of the bump test is saved in the instrument’s memory. Dräger Bump Test Station is available for easy performance of the bump test.

**Calibration and configuration**
Dräger Pac 7000 features a menu from which the bump test mode, fresh air calibration and span calibration can be selected. Access to fresh air and span calibration can be password-protected.

The instrument is equipped with an IR interface and can be linked to a PC via the connecting cradle or E-Cal system. Dräger Pac Vision or Dräger CC Vision software installed on the PC enables configuration of all functions, as well as calibration and download of the stored data.

**Adjustable operating time**
In addition, the instrument allows an individual operating time to be set (in days), e.g., a calibration interval, inspection interval or individual operating time end.

**Data logger**
Dräger Pac 7000 features a data logger in which all concentrations and events are stored together with their respective dates and times. The intervals at which peak concentrations are saved are variable and can be adjusted by the user. If a one-minute interval is set, the data logger has a capacity of about five days. The stored data can be downloaded via a PC and the installed Dräger Pac Vision or Dräger CC Vision software and edited using, for example, Microsoft® EXCEL® software or Dräger GasVision software.
Dräger Pac 7000 at a glance

- Gas inflow from top and front
- Unlimited instrument life
- Easy sensor replacement
- No-text display (no language problems)
- Continuous concentration display
- Visual alarm
- Audible alarm
- Vibration alarm
- Two adjustable alarm thresholds
- Adjustable TWA alarm
- Adjustable STEL alarm
- Display of peak concentration
- Battery pre- and main alarm
- Adjustable operating time with pre- and main alarm
- Adjustable bump test interval
- Adjustable bump test mode
- IR interface
- Individual instrument configuration
- Replaceable battery
- Data logger
- Display of peak concentration
- Battery pre- and main alarm

For further information, please visit:
www.draeger-safety.com/pac

Dräger Pac 7000:
Reliable in daily use.

Dräger Pac 7000:
High level of wearing comfort.

ORDER INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Measuring</th>
<th>Alarms</th>
<th>Alarms</th>
<th>Order-code</th>
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<tr>
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<td>Threshold A 1</td>
<td>Threshold A 2</td>
<td></td>
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<tr>
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<td>60 ppm</td>
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<td>19 Vol.-%</td>
<td>23 Vol.-%</td>
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<tr>
<td>Dräger Pac 7000 SO(_2)</td>
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<td>2 ppm</td>
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</tbody>
</table>

\(^1\) Default configuration Europe
\(^2\) Default configuration NAFTA

ACCESSORIES

Connecting Cradle, complete with USB cable and Dräger Pac Vision software | 83 18 587
Lithium battery | 45 43 808
Dust and water filter | 45 43 836
Leather carrying case | 45 43 822
Dräger Bump Test Station, complete with test gas cylinder 58 L (gas type by customer request) | 83 18 586
E-Cal instrument module for connection of Dräger Pac 1000 to 7000 to a Dräger E-Cal Master Station or to Module Adapter | 83 18 589
TECHNICAL DATA

Dimensions (H x W x D) 64 x 84 x 20 (battery compartment: 25) mm (2.5 x 3.3 x 0.8 in., battery compartment: 1 in.)
Weight 120 g (3.8 oz.)
Ambient conditions
- Temperature 1) -30 to 50 °C (-20 to 120 °F)
- Pressure 700 to 1300 hPa
- Humidity 10 to 90 % r. h.
Ingress protection IP 65
Display
- Language-free LCD display, continuous indication of concentration, indication of concentration during alarm, peak concentration, TWA- and STEL-concentration, operating time, notice and warning functions
Battery life
- CO, H₂S > 5,500 hours
- O₂ > 2,700 hours
Acoustic alarm
- Two-tone-alarm, typical > 90 dB (A) at a distance of 30 cm
Data logger
- Storage of concentration und events with date and time
Approvals
- CE-Sign (89/336/EEC, 94/9/EC)
- ATEX II 1 G EEx ia IIC, T4
- IM 1 EEx ia I, T 4
- IECEx EEx ia IIC, T4

1) Dräger Pac 7000 CO₂ -20 to 40 °C (-4 to 104 °F)
Dräger Pac 7000 HCN -20 to 50 °C (-4 to 122 °F)
Dräger Pac 7000 PH₃ -20 to 50 °C (-4 to 122 °F)