

Dräger Pac[®] 3500

Accurate and easy to use, the Dräger Pac 3500 is ideal for industrial personal monitoring applications. Providing quick detection of carbon monoxide, hydrogen sulfide or oxygen, this robust single gas detector has a lifetime of 2 years and is made specifically to fit industrial safety requirements.



SMALL AND ROBUST HOUSING

Dräger Pac 3500's impact-resistant housing features a protective rubber coating and is impervious to corrosive chemicals. Dräger Pac 3500 meets the requirements of IP 65 to ensure operation even when splashed with water. A crocodile clip securely fastens the instrument to the user's clothing and can be adjusted to allow for individual preferences.

SAFETY FIRST

To ensure continuous operation even when the unit is in a shirt pocket, the instrument's sensor has been carefully positioned to allow gas intake from both the top and the front of the device.

MINIATURE SENSOR TECHNOLOGY

Incorporating the latest miniature Dräger XXS sensor technology, the Dräger Pac 3500 has been specifically developed for use in personal monitoring and handheld applications. The robust and pressure compensated sensors reliably detect CO, H₂S and O₂ and because of the very low sensitivity drift, the Dräger Pac 3500 can be used over a 2 year period without calibration.

CLEAR DISPLAY

Easily seen at a glance, the large display shows both the gas concentration and the measurement unit. Alternatively, the instrument can be configured to show only the gas detected. The concentration is then displayed only when the set alarm level has been exceeded.

Language-free for quick, at a glance status checks, this continuous numeric display can also be back-lit to improve readability in darker conditions. Colored overlays are available to distinguish the instrument gas type at a distance.

ALARMS AND WARNINGS

In addition to a vibrating alarm, the Dräger Pac 3500 emits an audible, multi-tone signal and a clear, 360° visual alarm via bright, flashing LEDs at the top and base of the instrument. The alarm threshold levels can be individually adjusted to comply with company policy or other standards using Dräger software.

EVENT LOGGER

Complete with an infrared interface and able to store up to 60 events with dates and times, the Dräger Pac 3500 can be



Dräger Pac 3500
Robust single gas detector with
2 years operation time.

easily linked to a PC via a connecting cradle. This means that significant events such as switching on or off, gas and battery alarms, error codes, configuration changes, fresh air calibrations and bump tests can be downloaded, printed and stored centrally for future reference or reporting purposes.

QUICK AND RELIABLE BUMP TESTING

Bump or function tests are used to check if the instruments are functioning correctly. Bump testing allows users to test equipment against a known gas concentration on a regular basis. Featuring adjustable bump test and calibration intervals, the Dräger Pac 3500 alerts the user when bump tests or calibration are required. If this warning is ignored or a

test is unsuccessful, the instrument can automatically display an “out of order” error message.

Performed together with the Dräger Bump Test Station, a typical bump test takes between 8 and 15 seconds and requires no additional power so that the test can be performed on site. Each test result is automatically stored in the event logger. An optional mobile printer/interface provides printed results and stores 700 tests for download.

If necessary, a fresh air calibration can be carried out during the start-up sequence. All other calibration options are only accessible via a password-protected menu.

DrägerSensors®

Dräger XXS Sensors provide longer operating times.

Large display

Clearly structured, language-free display shows all necessary information at one glance.

Robust housing

Impact-resistance combined with an ergonomic design.

High visibility

Colored keypad overlays are also available to distinguish the instrument at a distance.



D-440-2009

ORDER INFORMATION

| Description | Measuring Range | Default Alarm Threshold A1/A2 | Resolution | Response Time | Order Code |
|--|-----------------|-------------------------------|------------|---------------|------------|
| Dräger Pac 3500 CO | 0 – 500 ppm | by request | 1 ppm | 15 sec. | 45 43 957 |
| Dräger Pac 3500 H ₂ S | 0 – 100 ppm | by request | 0.1 ppm | 15 sec. | 45 43 958 |
| Dräger Pac 3500 O ₂ | 0 – 25 Vol.-% | by request | 0.1 Vol.-% | 10 sec. | 45 43 959 |
| Leather carrying case | | | | | 45 43 822 |
| High visibility yellow overlay for H ₂ S instruments | | | | | 83 20 978 |
| High visibility blue overlay for O ₂ instruments | | | | | 83 20 977 |
| Communication Accessories | | | | | |
| Dräger CC-Vision® | | | | | 64 08 515 |
| Communication Module, complete with USB cable and Dräger Pac Vision® software | | | | | 83 18 587 |
| Calibration Accessories | | | | | |
| Calibration adapter | | | | | 83 18 588 |
| Dräger Pac Module for Dräger E-Cal calibration system | | | | | 83 18 589 |
| Dräger Bump Test Station for Dräger Pac 3500, not including gas cylinder | | | | | 83 17 410 |
| Dräger Bump Test Station for Dräger Pac 3500 The station for use with Dräger Mobile Printer, not including gas cylinder | | | | | 83 19 559 |
| Printer Set for Dräger Bump Test Station Consisting of: Dräger Mobile Printer, single charger, rechargeable NiMH batteries, USB connection cable, positioning aid, Dräger CC-Vision® | | | | | 83 21 010 |
| Replacement Parts | | | | | |
| Lithium battery | | | | | 45 43 808 |
| Water and dust filter | | | | | 45 43 836 |



ST-2549-2005

Dräger Pac 3500
Single gas detector.



ST-5588-2005

Dräger Pac 3500
Dräger Bump Test Station for a quick and reliable function test.



D-10149-2009

Dräger Pac 3500
Dräger Pac 3500 with high visibility colored overlays.

TECHNICAL DATA

| | |
|---------------------------------|---|
| Dimensions (W x H x D) | 84 x 64 x 25 mm; 3.3 x 2.5 x 1.0 in. |
| Weight | 120 g; 3.8 oz. |
| Ambient conditions | Temperature -30 – 50 °C; -20 – 120 °F Pressure 700 – 1300 hPa Humidity 10 – 90 % r. h. |
| Ingress protection | IP 65 |
| Display | Language-free LCD display, continuous indication of concentration, remaining life and/or operating time, notice and alarm functions |
| Battery life (typical at 25° C) | 8 hours of use per day, 1 minute alarm per day: CO, H ₂ S: > 2 years O ₂ : > 12 month |
| Alarms | Visual (360° flashing LEDs at top and bottom), audible (multi-tone >90 dB at 30cm;1ft), vibrating |
| Instrument life and guaranty | 2 years |
| Event logger | Storage of up to 60 events including concentration levels, date and time |
| Approvals | CE-Sign (89/336/EEC, 94/9/EC) ATEX I/II M 1/1 G EEx ia I/IIC T4 UL: Class I, II Div 1, Group A, B, C, D, E, F, G, Temp. Code T4 cUL: Class I, II Div 1, Group A, B, C, D, E, F, G, Temp. Code T4 IECEX Ex ia II C T4 GOST_51330.0-99 (_60079-0-98); _51330.10-99 (_60079-11-99); _Exial / 0ExialICT4 |

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