

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 projected 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 gas inlet is accidentally covered, 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 only displayed when the set alarm level has been exceeded.

Language-free to avoid any misunderstanding, this continuous numeric display can also be back-lit to improve readability in darker conditions. Colored labels are also available to distinguish the instrument 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 adhere to company policy or standardized with the use of Dräger software.

EVENT LOGGER

Complete with an infrared interface and able to store up to 60 events with dates



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

and times, the Dräger Pac 3500 can be 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 necessary to check if the instruments are functioning correctly. Most national regulations require 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 cali-

bration are required. If this warning is ignored or a test is unsuccessful, the instrument automatically displays 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 and, should hard copies be required, an optional mobile printer can be used.

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.

D-440-2009

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 labels are available to distinguish the instrument at a distance.



ORDER INFORMATION

Description	Measuring Range	Default Alarm Threshold A1/A2	Resolution	Response Time	Order Code
Dräger Pac 3500 CO ¹⁾	0 – 500 ppm	30/60 ppm	1 ppm	15 sec.	83 22 000
Dräger Pac 3500 CO	0 – 500 ppm	by request	1 ppm	15 sec.	83 22 001
Dräger Pac 3500 H ₂ S ¹⁾	0 – 100 ppm	10/20 ppm	0.1 ppm	15 sec.	83 22 002
Dräger Pac 3500 H ₂ S	0 – 100 ppm	by request	0.1 ppm	15 sec.	83 22 003
Dräger Pac 3500 O ₂ ¹⁾	0 – 25 Vol.-%	19/23 Vol.-%	0.1 Vol.-%	10 sec.	83 22 004
Dräger Pac 3500 O ₂	0 – 25 Vol.-%	by request	0.1 Vol.-%	10 sec.	83 22 005
Leather carrying case					45 43 822
Highly visible yellow label for H ₂ S instruments					83 20 978
Highly visible blue label 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 Complete with one test gas cylinder 58L (gas and concentration variable)					83 18 586
Dräger Bump Test Station for Dräger Pac 3500 The station for use with Dräger Mobile Printer, not including gas cylinder					83 19 559
Dräger Bump Test Station for Dräger Pac 3500 The station for use with Dräger Mobile Printer, complete with one test gas cylinder 58L (gas and concentration variable)					83 21 008
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

1) Default configuration Europe



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 highly visible colored labels.

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