

## Dräger Pac<sup>®</sup> 5500

Ideally suited for personal monitoring applications, the Dräger Pac 5500 provides quick detection of carbon monoxide, hydrogen sulfide or oxygen. Accurate, reliable and easy to use, this small, ergonomic instrument has no lifetime limitation.



ST-2648-2005

### SMALL YET ROBUST

Small in size and light in weight, the Dräger Pac 5500 has been developed with the needs of industrial users and applications in mind. Providing easy, single-handed operation, even when wearing gloves, it is designed to withstand the toughest environments. The impact-resistant rubber housing is impervious to corrosive chemicals and meets the requirements of IP65 to ensure operation even when sprayed with water.

### SAFETY FIRST

The instrument's sensor has been specially positioned to allow gas access at both the top and front so that gas detection is continuous if the unit is placed in a pocket or if a gas inlet is accidentally covered.

### NO LIFETIME LIMITATION

Designed for long-term operation, the Dräger Pac 5500 boasts an unlimited lifetime. The battery and the sensor can be easily replaced. Also, the dust and water filter on the front of the instrument can be replaced if clogged with dirt or mud.

### MINIATURE SENSOR TECHNOLOGY

Incorporating the latest miniature Dräger XXS sensor technology, the Dräger Pac 5500 has been specifically developed for

use in personal monitoring and handheld applications. Offering a long, expected lifespan from 5 to 8 years, these innovative sensors combine high performance with a fast reaction time of just ten seconds.

### CLEAR, HIGHLY VISIBLE DISPLAY

Clear and easy to see, the large liquid crystal display shows both the gas concentration and the measurement unit. As an option, the instrument can also be configured to display just the type of gas. The concentration is then displayed only when the set alarm levels have been exceeded. Language-free to avoid any misunderstanding, this continuous numeric display can also be back-lit to improve readability in darker environments.

In addition, overlays in yellow (hydrogen sulfide) and blue (oxygen) are available to ensure that the instrument can be identified quickly even at a distance.

### WARNINGS AND ALARMS

In addition to vibrating and audible, multi-tone alarms, the Dräger Pac 5500 shows a clear, 360° visual alarm via bright, flashing LEDs at the top and base of the instrument. Alarm thresholds can be set by the user, and gas alarms include both a pre and main alarm.



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**Dräger Pac 5500**  
Reliable measurement results combined with no lifetime limitation.

Bringing maximum confidence to the user, the instrument will also emit both pre and main alarms before loss of battery power. If there should be a problem with the electronics or the battery or the sensor, the user will receive a clear, immediate fault alarm and display indication. A further "life signal" option, which can be activated and/or disabled to suit specific requirements, is also available.

#### BUMP TEST AND CALIBRATION

Bump Testing allows users to test equipment against a known gas concentration on a regular basis. Bump tests check that instruments are functioning correctly. Equipped with adjustable bump test and

Dräger Pac 5500 can be used with the Dräger Bump Test Station. This economical unit allows both the instrument and sensor performance to be checked anywhere, without the need for additional power. Each successful test is automatically stored in the data logger. The user can choose for failed tests to render the instrument "out of order". An optional mobile printer is also available for those applications where hard copies are required, and to store up to 700 tests for downloaded to a PC.

Fresh air calibration can be performed during the boot sequence at start up and is easy to perform.

#### 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 overlays are available to distinguish the instrument at a distance.



D-637-2009

calibration intervals to meet the needs of different applications, the Dräger Pac 5500 displays a warning as soon as a bump test or calibration is required. Should the warning be ignored, the instrument can automatically display an "out of order" error message. As an option, users can also select this same error message to indicate that the calibration interval has expired.

Bump tests usually take between 8 and 15 seconds and to ensure that they can be performed quickly and easily, the

Calibration can be carried out by docking the instrument to a PC, and an optional automated test and calibration system is also available. The recommended inspection interval for Dräger Pac 5500 is 2 years.

#### EVENT LOGGER

Able to store up to 60 events complete with dates and times, the Dräger Pac 5500 incorporates an IR interface and can be easily linked to a PC via a connecting cradle. As a result, significant events such as switch on/off, gas and battery alarms,

error modes, configuration changes, fresh air calibrations and bump tests can be downloaded, printed and stored.

**DRÄGER PAC® 5500 – AT A GLANCE**

- High performance Dräger XXS Sensors
- No lifetime limitation with simple battery, sensor and filter replacement
- 8-15 second function test with the

**Dräger Bump Test Station**

- Optional calibration function after a failed function test
- Adjustable bump test interval
- Gas inflow from above and the front
- Optional high visibility labels for instrument recognition at a distance

**ORDER INFORMATION**

Description	Measuring Range	Default Alarm Threshold A1/A2	Resolution	Response Time	Order Code
Dräger Pac® 5500 CO	0 – 500 ppm	35/50	1 ppm	15 sec.	45 43 960
Dräger Pac® 5500 H <sub>2</sub> S	0 – 100 ppm	10/15	0.1 ppm	15 sec.	45 43 961
Dräger Pac® 5500 O <sub>2</sub>	0 – 25 Vol.-%	19.5/23	0.1 Vol.-%	10 sec.	45 43 962
Leather carrying case					45 43 822
High visibility yellow overlay for H <sub>2</sub> S instruments					83 20 997
High visibility blue overlay for O <sub>2</sub> instruments					83 20 996
<b>Communication Accessories</b>					
Dräger CC-Vision®					64 08 515
Communication Module, complete with USB cable and Dräger Pac Vision® software					83 18 587
<b>Calibration Accessories</b>					
Calibration adapter					83 18 588
Dräger Pac® Module for Dräger E-Cal calibration system					83 18 589
Dräger Bump Test Station for Dräger Pac 5500, not including gas cylinder					83 17 410
Dräger Bump Test Station for Dräger Pac 5500					83 19 559
The station for use with Dräger Mobile Printer, not including gas cylinder					
Printer Set for Dräger Bump Test Station					83 21 010
Consisting of: Dräger Mobile Printer, single charger, rechargeable NiMH batteries, USB connection cable, positioning aid, Dräger CC-Vision®					
<b>Replacement Parts</b>					
Lithium battery					45 43 808
Water and dust filter					45 43 836



ST-5627-2004

**Dräger Pac® 5500**  
Single gas detector with no lifetime limitation.



ST-5604-2005

**Dräger Pac® 5500**  
Dräger Bump Test Station for a quick and reliable function test.



ST-10148-2009

**Dräger Pac® 5500**  
Dräger Pac® 5500 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	IP65
Display	Language-free LCD display, continuous indication of concentration, notice and alarm functions
Battery life (typical at 25° C)	8 hours of use per day, 1 minute alarm per day: CO, H <sub>2</sub> S: > 2 years O <sub>2</sub> : > 12 month
Alarms	Visual (360° flashing LEDs at top and bottom), audible (multi-tone >90 dB at 30cm;1ft), vibrating
Instrument life	No lifetime limitation
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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**AFC International Inc**  
 PO Box 894  
 DeMotte IN 46310  
 800.952.3293 • 219.987.6825  
 fax 219.987.6826  
 sales@afcintl.com  
 www.afcintl.com

[www.draeger.com](http://www.draeger.com)

**USA**  
 Draeger Safety, Inc.  
 101 Technology Drive  
 Pittsburgh, PA 15275-1057  
 USA  
 Tel +1 412 787-8383  
 Fax +1 412 787-2207

**CANADA**  
 Draeger Safety Canada Ltd.  
 7555 Danbro Crescent  
 Mississauga, ON L5N 6P9  
 Canada  
 Tel +1 905 821-8988  
 Fax +1 905 821-2565

**MEXICO**  
 Draeger Safety S.A. de C.V.  
 Av. Peñuelas No. 5  
 Bodega No. 37  
 Fraccionamiento Industrial  
 San Pedrito  
 Querétaro, Qro C.P. 76148  
 Mexico

**GERMANY**  
 Dräger Safety AG & Co. KGaA  
 Revalstrasse 1  
 23560 Lübeck  
 Germany

Customer Service  
 Tel +1 800 858-1737  
 Fax +1 800 922-5519

Customer Service  
 Tel +1 877 372-4371

Customer Service  
 Tel +1 52 442 246-1113  
 Fax +1 52 442 246-1114

Customer Service  
 Tel +49 451 882-0  
 Fax +49 451 882-2080