

Dräger Pac® 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-2649-2005

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. The Dräger Pac® 5500 provides easy, single-handed operation, even when wearing gloves, and 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. These innovative sensors, which offer a long, expected lifespan from 5 to 8 years, combine high performance with a fast reaction time of just ten seconds.

CLEAR, HIGHLY VISIBLE DISPLAY

The clear, easy to see, 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.

To ensure that the Dräger Pac® 5500 can be identified quickly, even at a distance, overlays in yellow (hydrogen sulfide) and blue (oxygen) are also available.

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



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

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-537-2009

of the instrument. Alarm thresholds can be set by the user, and gas alarms include both a pre and main alarm.

The instrument will also emit both pre and main alarms before loss of battery power bringing maximum confidence to the user. 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 verify that instruments are functioning correctly. The Dräger Pac® 5500 is equipped with adjustable bump test and calibration intervals to meet the needs of different applications, it 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. Users can also select this same error message as an option to indicate that the calibration

interval has expired.

Bump tests usually take between 8 and 15 seconds. To ensure that they can be performed quickly and easily, the 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. The mobile printer stores up to 700 tests for download to a PC.

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

Calibration can be carried out by docking the instrument to a PC, in addition, 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 ₂ S	0 – 100 ppm	10/15	0.1 ppm	15 sec.	45 43 961
Dräger Pac® 5500 O ₂	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 ₂ S instruments					83 20 997
High visibility blue overlay for O ₂ instruments					83 20 996
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 5500, not including gas cylinder					83 17 410
Dräger Bump Test Station for Dräger Pac 5500 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-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 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	No lifetime limitation
Warranty	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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