

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.



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 projected 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 on-site and without any additional equipment. Also, the dust and water filter on the front of the instrument can be replaced when 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, labels in yellow (hydrogen sulfide) and blue (oxygen) are available to ensure that the instrument can be identified quickly even over a long distance.

WARNINGS AND ALARMS

In addition to vibrating and audible, multi-tone alarms, the Dräger Pac 5500 issues 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.

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

Bringing maximum confidence to the user, the instrument will also emit both pre and main alarms before loss of battery power. Should there be a problem with the electronics, 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 tests usually take between 8 and 15 seconds and 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 whilst unsuccessful tests render the instrument "out of order". An optional mobile printer is also available for those applications where hard copies are required.

D-557-2009

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.



BUMP TEST AND CALIBRATION

Most national regulations require 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 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 will 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.

Fresh air calibration is requested within the boot sequence at start up and is easy to perform. Calibration can be carried out in the workshop 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.

DATA 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 also 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 ¹⁾ | 0 – 500 ppm | 30/60 ppm | 1 ppm | 15 sec. | 83 22 008 |
| Dräger Pac 5500 CO | 0 – 500 ppm | by request | 1 ppm | 15 sec. | 83 22 009 |
| Dräger Pac 5500 H ₂ S ¹⁾ | 0 – 100 ppm | 10/20 ppm | 0.1 ppm | 15 sec. | 83 22 010 |
| Dräger Pac 5500 H ₂ S | 0 – 100 ppm | by request | 0.1 ppm | 15 sec. | 83 22 011 |
| Dräger Pac 5500 O ₂ ¹⁾ | 0 – 25 Vol.-% | 19/23 Vol.-% | 0.1 Vol.-% | 10 sec. | 83 22 012 |
| Dräger Pac 5500 O ₂ | 0 – 25 Vol.-% | by request | 0.1 Vol.-% | 10 sec. | 83 22 013 |
| Leather carrying case | | | | | 45 43 822 |
| Highly visible yellow label for H ₂ S instruments | | | | | 83 20 997 |
| Highly visible blue label 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 Complete with one test gas cylinder 58L (gas and concentration variable) | | | | | 83 18 586 |
| Dräger Bump Test Station for Dräger Pac 5500 The station for use with Dräger Mobile Printer, not including gas cylinder | | | | | 83 19 559 |
| Dräger Bump Test Station for Dräger Pac 5500 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-5827-2004

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 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 | 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 |
| 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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