DETIA DEGESCH GROUP

Detection and protection equipment

DETIA DEGESCH
DRÄGER – DETECTOR TUBES

GAS MEASUREMENT IS ONE KEY FACTOR FOR A SUCCESSFUL FUMIGATION

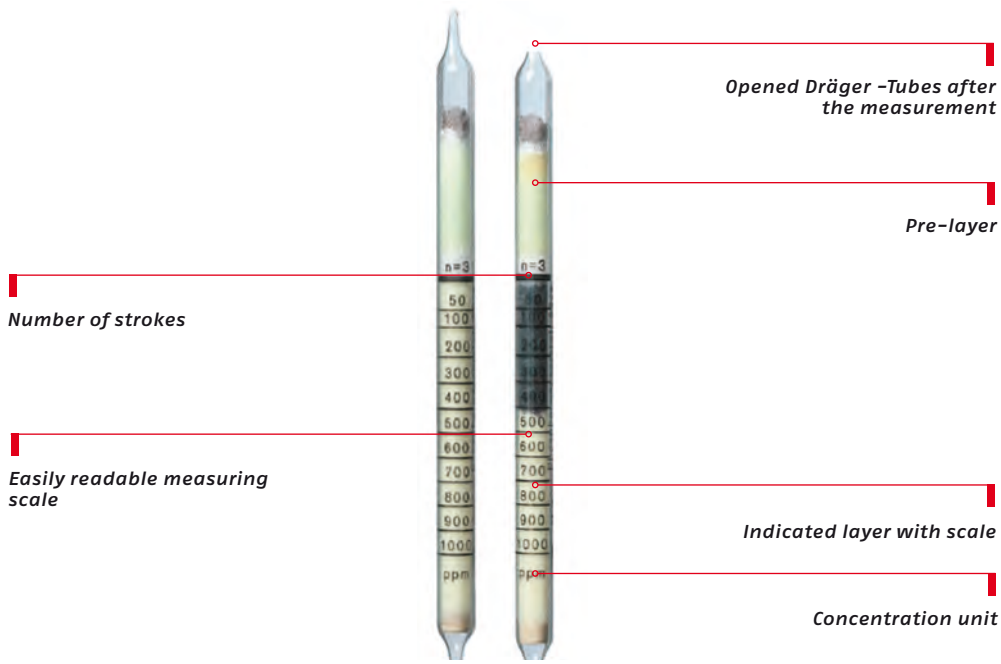
Professional fumigators know, that the verification and documentation of the phosphine concentration inside and outside the fumigation object, is one of the elementary parts of a successful fumigation.
Fumigation can only be carried out seriously, if the commodity is exposed to phosphine for a certain time and with a certain gas concentration. Only regular measurements in the fumigation area can demonstrate that in reality the relation between exposure time and gas concentration is reached. Problems with leaking structures, just as insufficient gas application or incorrect assessments of the gas absorption, are shown now transparently.

Often, fail fumigation can go back to the erroneous verification of the real phosphine concentration. Unfortunately, many fumigators are misunderstanding this fact because initially, measurement technology is seen as an unnecessary time and cost factor. The disastrous consequences are the quality of the fumigation results. Re-infestation of goods or a complete misjudgement of resistance management of insects are the logical problems.

Imperative and essential is the constant monitoring of the environment of the fumigation object. Leaking buildings or storage rooms can lead to serious risks if phosphine is exposed to the surrounding. To rely on the possible smell of phosphine is negligent and completely unacceptable.

DETIA DEGESCH therefore offers well-proved and tested safety equipment and rely on the quality of the world market leader DRÄGER. For each safety case, special solutions are offered and this gives us the possibility to meet our high requirements for phosphine fumigation, as well as the individual needs of our customers.

Tried and tested a million times: Worldwide, the Dräger Short-term Tubes have proven to be a very cost-effective and reliable method for the measurement of gases.



QUICK AND TARGETED MEASUREMENTS

For spot measurement of phosphine in the range of:
» 0,01 – 1 ppm
» 1 – 100 ppm
» 50 – 1.000 ppm or even
» 25–10.000 ppm

The measurement usually takes between 30 seconds and 10 minutes. Furthermore, the easy-to-use Dräger-Tubes have already been calibrated and form a complementary unit with the Dräger-Tube pumps.

EASY HANDLING

The Short-term Tubes are used manually with the Dräger-Tube pump accuro. The results can then be read directly at the end of the measurement process.

DETIA DEGESCH
DRÄGER – TUBE PUMP ACCURO

Fast measurement with one hand: The Dräger-Tube pump accuro allows you to use the established Dräger-Tubes to take measurements under extreme conditions.

MOBILE SPOT MEASUREMENT
This manual pump is used for spot measurements such as the detection of concentration peaks, confined space entry, worst-case scenarios etc.

ONE-HANDED OPERATION
Frequently, measurements need to take place under extreme conditions, e.g. on ladders, in shafts or when wearing heavy breathing protection. The Dräger-Tube pump accuro can easily be operated with one hand and enables a reliable measurement also in difficult-to-access places.

FUNCTIONAL BELLOWS PUMP
The Dräger-Tube pump accuro draws in 100 ml per stroke. When measuring, the pump body (bellows) must be pressed together completely. The exhaust valve is closed during the opening phase of the bellows so that the gas sample flows through the connected Dräger-Tube into the pump. After the complete opening of the pump body into its original position the suction process is finished. The end of stroke is visible by a pressure controlled end of stroke indication, located in the pump head.

SAMPLING
During the sampling process the substances to be evaluated are firstly accumulated on a suitable carrier material, e.g. activated charcoal, silica gel and so on. The air to be evaluated is thereby drawn over the respective material – with a predefined flow rate and duration.

DETIA DEGESCH
DRÄGER PAC® 8000 – PH_3 DETECTION DEVICE

Safety at the workplace always takes priority: depending on the sensor selection, the single gas detector, Dräger Pac® 8000.

WARNS AGAINST HAZARDOUS GAS CONCENTRATIONS

The device reliably warns against hazardous concentrations of phosphine (0,01 – 20 ppm) and is thus the constant companion of professional application technicians.

ROBUST AND LONG-LASTING

Protective rubber ensures that the casing of the Dräger Pac 8000 is particularly shock-proof. The device meets the strict dust and water protection requirements specified in IP 68. The electromagnetic resistance has also been optimised. When needed, the sensors can be simply replaced.

SIMPLE CALIBRATION AND CONFIGURATION

The bump test mode and sensitivity calibration can be selected via a password-protected menu. The fresh air calibration can be optimally protected using a password.

The device is equipped with an infrared interface and can be connected to a PC via a communication cradle in order to activate the desired functions or download stored data.

INNOVATIVE MINIATURE SENSORS

The innovative Dräger XXS sensors react quickly and produce reliable measurement results. Very short diffusion paths inside the device, as well as the sensors' rapid electrochemical reactions, ensure that any gasrelated dangers are displayed as soon as they occur. For maximum safety, the sensor is positioned inside the housing such as to allow gas to reach it from above and from the front. This guarantees flawless measurement, even when the gas entry has been accidentally obstructed.

TRIPLE ALARM FOR EXTRA SAFETY

As soon as the adjustable alarm thresholds are exceeded, or values fall below the configured oxygen concentration, the Dräger Pac 8000 immediately issues an audible, visual and vibrating alarm. In addition, the device is also equipped with adjustable TWA and STEL alarms. The user is also warned when the battery is low or a functional error has occurred.

DETIA DEGESCH
DRÄGER X – AM® 5000 – MULTI GAS DETECTOR

The Dräger X-am® 5000 belongs to a generation of gas detectors, developed especially for personal monitoring applications. This 1- to 5-gas detector reliably measures combustible gases and vapors as well as 02.

ERGONOMIC MOBILE PHONE DESIGN
Despite its advanced functionality, the Dräger X-am 5000's practical mobile phone design and light weight make it comfortable to carry. Reduced to its essentials, the two button control panel and easy to follow menu allow for intuitive use.

POISON-RESISTANT EX SENSOR
For improved safety when facing unknown and potentially explosive hazards – the Dräger X-am 5000 provides dependable warnings in the event of explosive atmospheres thanks to the high level of sensitivity of the innovative catalytic Ex sensor. It not only responds quickly to explosive gases and combustible organic vapors, but is also highly resistant against sensor poisons such as silicone and hydrogen sulfide. In combination with its long term stability this offers an extraordinary long expected sensor lifetime of more than four years. This will reduce your operational costs.

DURABLE SENSOR TECHNOLOGY
Equipped with durable XXS sensor technology, the Dräger X-am 5000 offers maximum security at extremely low operational costs. The sensor's resistance, in combination with its long term stability, provides the sensor with a lifetime in excess of four years, which can help reduce your operational costs.

ROBUST AND WATER-TIGHT
The Dräger X-am 5000 is water and dust resistant according to IP67 standards. This means that the detector remains fully functional and ready for use even after being dropped into water.

The integrated rubber protection and shock-proof sensors provide additional resistance to impact and vibration. Moreover, the Dräger X-am 5000 is resistant to electromagnetic interference.

EXTERNAL PUMP
The optional external pump, which operates with a hose up to 30 (98 feet) meters long, makes it possible to use the detector for pre-entry measurements into confined spaces such as tanks, shafts, etc. The pump starts automatically when the detector is inserted.

FLEXIBLE POWER SUPPLY
The Dräger X-am 5000 can be used with the standard alkaline batteries. In addition, it can be fitted with a T4 battery that can be charged while still inside the instrument.

An optional Save Energy Mode makes it possible to increase the operating time of Dräger X-am 5000 to more than 40 hours. This is done by selecting a measurement interval of either 1 second (the standard), 10 or 20 seconds for the CatEx sensor.

DETIA DEGESCH
DRÄGER X-PLORE® 6300 FULL FACE MASK

After decades of use, Dräger full face masks have become the known standard for quality, reliability and comfort. These full face masks are the successors to the Panorama Nova standard threaded masks – redesigned and improved with fresh colours and an integrated bar code.

DOUBLE-LAYERED FACE SEAL
The highest protection factor through its triple sealing action ensures a safe seal for every type of face – in one universal size. The mask body is available in two materials: EPDM and silicone.

HIGHY COMPATIBLE STANDARD RD40 THREAD CONNECTION
Easy to service and widely compatible standard thread connection, these masks fit to all Rd40 threaded filters as well as powered air purifying respirators and normal pressure compressed air breathing apparatuses.

5-POINT HEAD HARNESS
Quick and easy donning and doffing is guaranteed. The roller buckles and wide flaps ensure comfortable handling without hair entanglement.

LARGE VISOR
Excellent field of vision without distortion. Different materials offer high resistance to chemicals, heat and mechanical stress guaranteeing a long service life.

INTEGRATED BARCODE
A barcode inside the mask makes checking inventories and carrying out maintenance easy.

DETIA DEGESCH
DRÄGER X-PLORE® FILTER PH_3, DUST AND HCN

Whether used in chemical industry or automobile industry, shipbuilding, metal processing industry or by public utility services – for decades Dräger respiratory protection filters have been a synonym for experience and safety worldwide. They clean breathable air from contaminants in a cost efficient manner.

Dräger

BROAD FILTER RANGE
The X-plore Rd40 filter series offers various filter types for major applications and protects against many hazardous substances – from phosphine to particulates.

LONG LIFE
The PH_3 combination filter A2B2 P3 R D has a shelf-life of 6 years, unpacked, from date of manufacture.

RESEALABLE INDIVIDUAL PACKAGING
The filters are packed individually to ensure optimum protection of the unused filter. For storage, the packaging is resealable.

ALUMINUM HOUSING
The aluminum housing ensures that any damage to the filter is easily detected, therefore providing extra security.

Rd40 THREAD CONNECTION
The filters are suitable for use with half and full face masks with standard thread connection Rd40 according to EN 148-1.

CE MARKING
All filters are CE-marked in accordance with EN 14387 and/or EN 143.

DETIA DEGESCH GROUP

DETIA DEGESCH GMBH

Dr.-Werner-Freyberg-Str. 11 | D-69514 Laudenbach
Tel: +49 (0)6201 - 708-0 | Fax: +49 (0)6201 - 708-402
export@detia-degesch.de | www.detia-degesch.de