



## Product Catalogue Indonesia

## Dräger X-zone® 5500

Break the limits of gas detection with Dräger X-zone® 5500 in combination with Dräger's multi gas X-am® 5000 series. With up to 25 X-zones, it can automatically interconnect to form a wireless fenceline which increases safety during work in Zone 0 area. The optional X-com module allows users to access the X-zone® 5500 data wirelessly over the GSM network. It sends all data directly to the device of your choice.

### Feature and Benefits



D-3057-2014

## Dräger X-am® 8000

Clearance measurement was never this easy and convenient: The 1 to 7 gas detector detects toxic and flammable gases as well as vapours and oxygen all at once – either in pump or diffusion mode. Innovative signalling design and handy assistant functions ensure complete safety throughout the process.

### Feature and Benefits

Switch easily between pump and diffusion mode

Impact detection informs you to severe mechanical stresses

Assistants for clearance measurement, leak detection, and benzene-specific testing with the PID (pre-tube)

Optional Bluetooth® module to connect with the CSE Connect app for Android



Glowing green D-light (optional) indicates: tested and ready for use

Five slots for DrägerSensors® to measure up to seven gases, two new high-performance PID sensors

Easy-to-read colour display with zoom function

Inductive charging

D-6491-2017

## Dräger X-am® 3500

The Dräger X-am® 3500 was especially designed for clearance measurements. The 1 to 4 gas detector reliably detects flammable gases and vapours as well as O<sub>2</sub>, CO, H<sub>2</sub>S, NO<sub>2</sub> and SO<sub>2</sub>. The innovative signalling design and extensive range of accessories ensure optimum safety and easy handling.

### Feature and Benefits



• Switch easily between pump and diffusion mode

• Slots for DrägerSensors® to measure up to four gases

• Glowing green D-light (optional) indicates: tested and ready for use

• Easy-to-read colour display with zoom function

• Inductive charging

D-406-2018



## Dräger X-dock® 5300/6300/6600

The X-dock series provides you with full control of your portable Dräger gas detection instruments. Automatic bump tests and calibrations with reduced test gas consumption and short testing times save time and money. Comprehensive documentation and evaluations provide you with a clear overview.

### Feature and Benefits



## Dräger Pac Series

Dräger single gas detectors, the Pac series, combines fast, accurate single gas detection with ease of use and peace of mind. With clear alarms and a language-free display, each of these robust instruments uses the latest sensor technology to ensure the most reliable results.

### Feature and Benefits



## Dräger X-pid 9000/9500

The selective PID gas measurement device is ideal for users who frequently test for hazardous toxic substances. Benzene, butadiene and other volatile organic compounds (VOCs) are carcinogenic even in the smallest concentrations. Selective measurement is necessary because other gases and vapours are often also present. The gas measurement device allows for short test times and laboratory-quality results.

### Feature and Benefits



## 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. The easy-to-use Dräger-Tubes have already been calibrated and form a perfect unit with the Dräger-Tube pump.

### Feature and Benefits



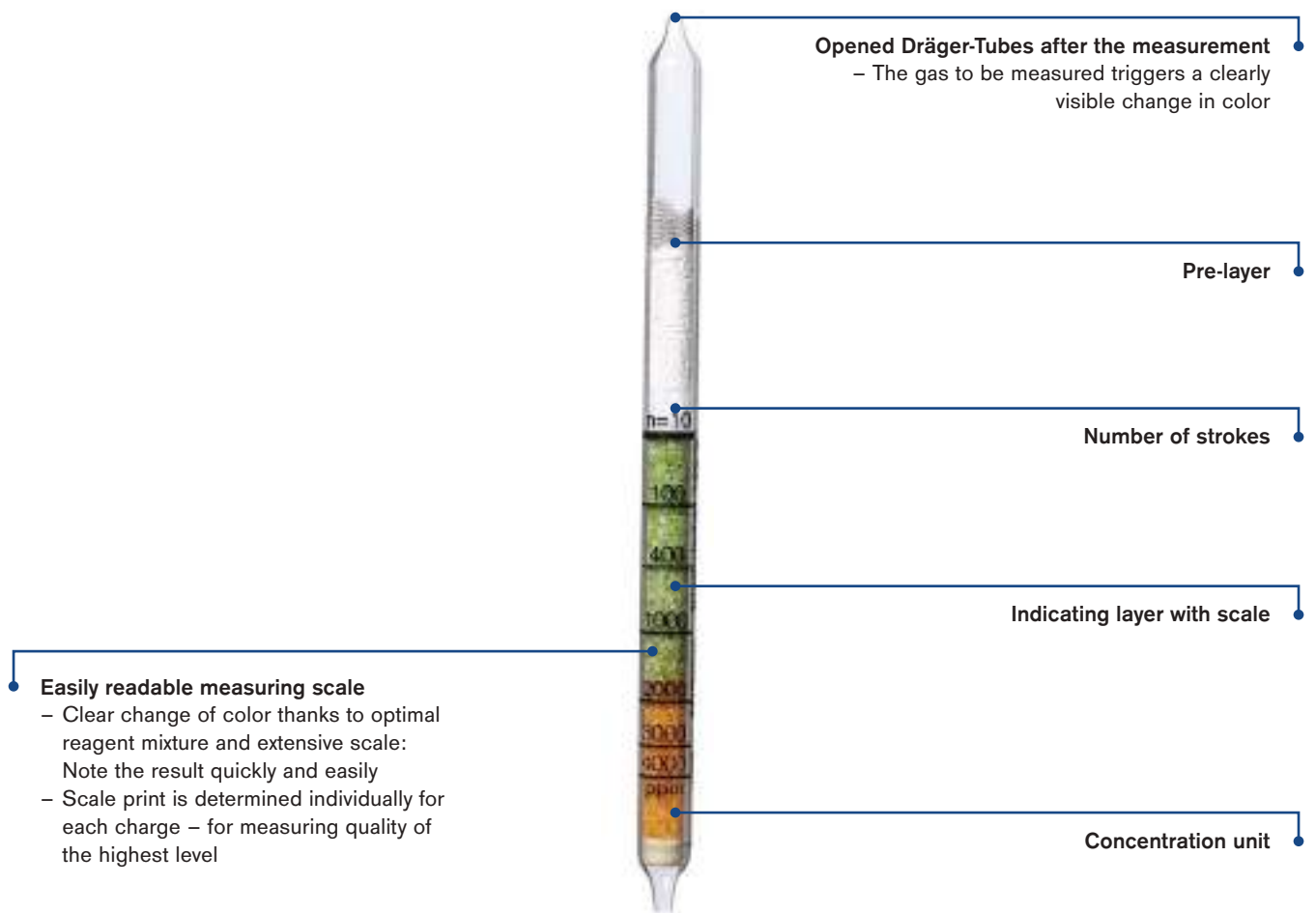
ST-2436-2003



## Dräger-Tubes

Dräger offer over 250 tubes for the detection of more than 500 different substances. Applications with appropriate accessories include: ambient air monitoring, stack gases, motor vehicle exhaust, pressurised gas line, compressed air contaminants and breathing air quality.

### Feature and Benefits



ST-36-2001

## Dräger Flow Check

The easiest way to find out how the wind blows: With the Flow Check air flow indicator even slightest air movements are visible - at the push of the button.

### Feature and Benefits



ST-66-98

## Dräger Infrared sensors

A high performance sensor for hydrocarbons or carbon dioxide. The Dräger Infrared sensor is used in the X-am® 7000 & 5000 & offers long life, oxygen independent measurement and total poison resistance.

### Feature and Benefits



D-2105-2011

## Dräger Catalytic sensors

For explosive gases and vapours, measuring % LEL & vol. %. This cost effective sensor is suitable for standard EX measurement applications. This sensor featured improvement in sensor life with a higher poison resistance to H<sub>2</sub>S and silicon.

### Feature and Benefits



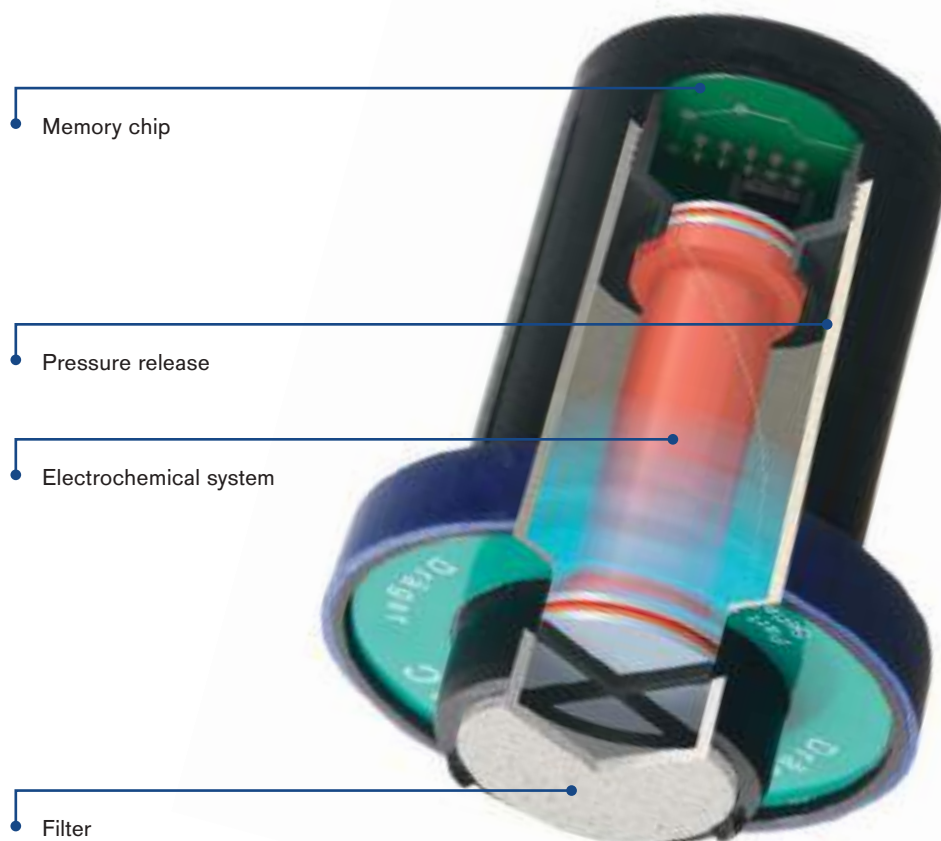
D-27736-2017

## Dräger Electrochemical sensors

The XS Sensors do not require frequent calibration and are used in Dräger X-am 7000 and Dräger X-am 5100 for the measurement of 50 different gases and vapours.

The DrägerSensor XXS range has excellent long-term stability and short response times, which allows the user to be warned about dangerous gases quickly and reliably.

### Feature and Benefits



D-12196-2010



## Dräger Bump test station

The bump test station is designed to perform a function test or challenge test for portable instruments with gas. This test using a known concentration of gas is the only way to guarantee the reliable & accurate detection of gas hazards.

### Feature and Benefits



ST-740-2006

## Calibration gas

Dräger supplies a complete range of calibration gases, regulators & other accessories to fulfill all your calibration needs.

### Feature and Benefits

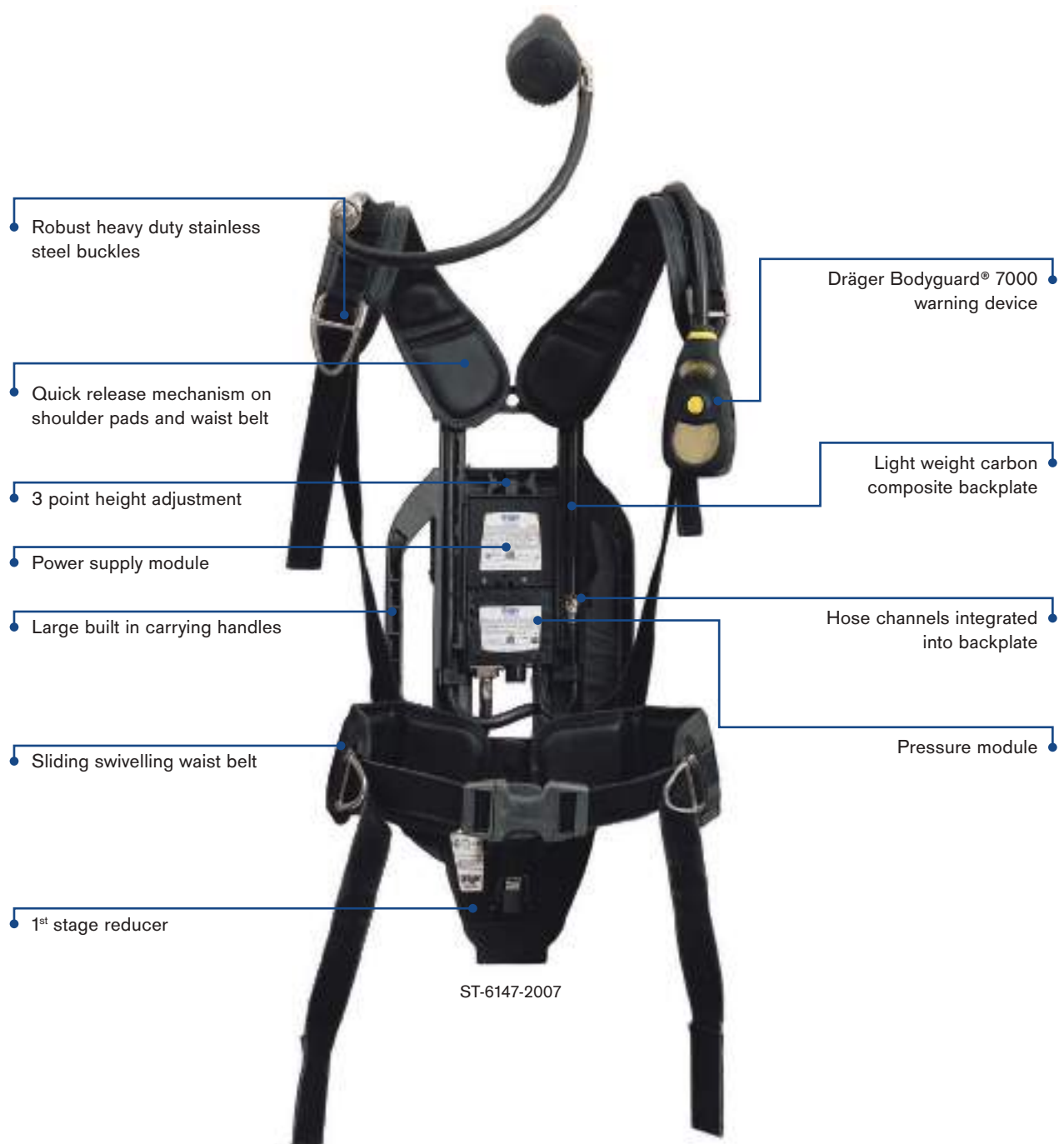


D-0494-2018

## Dräger PSS® 7000

The Dräger PSS® 7000 with modular electronic monitoring system featuring Dräger Bodyguard® 7000 and options such as Dräger FPS-HUD and Dräger PSS® 7000 Merlin Modem for telemetry operation. Sliding and pivoting waistbelt assembly as well as 3-point height adjustment.

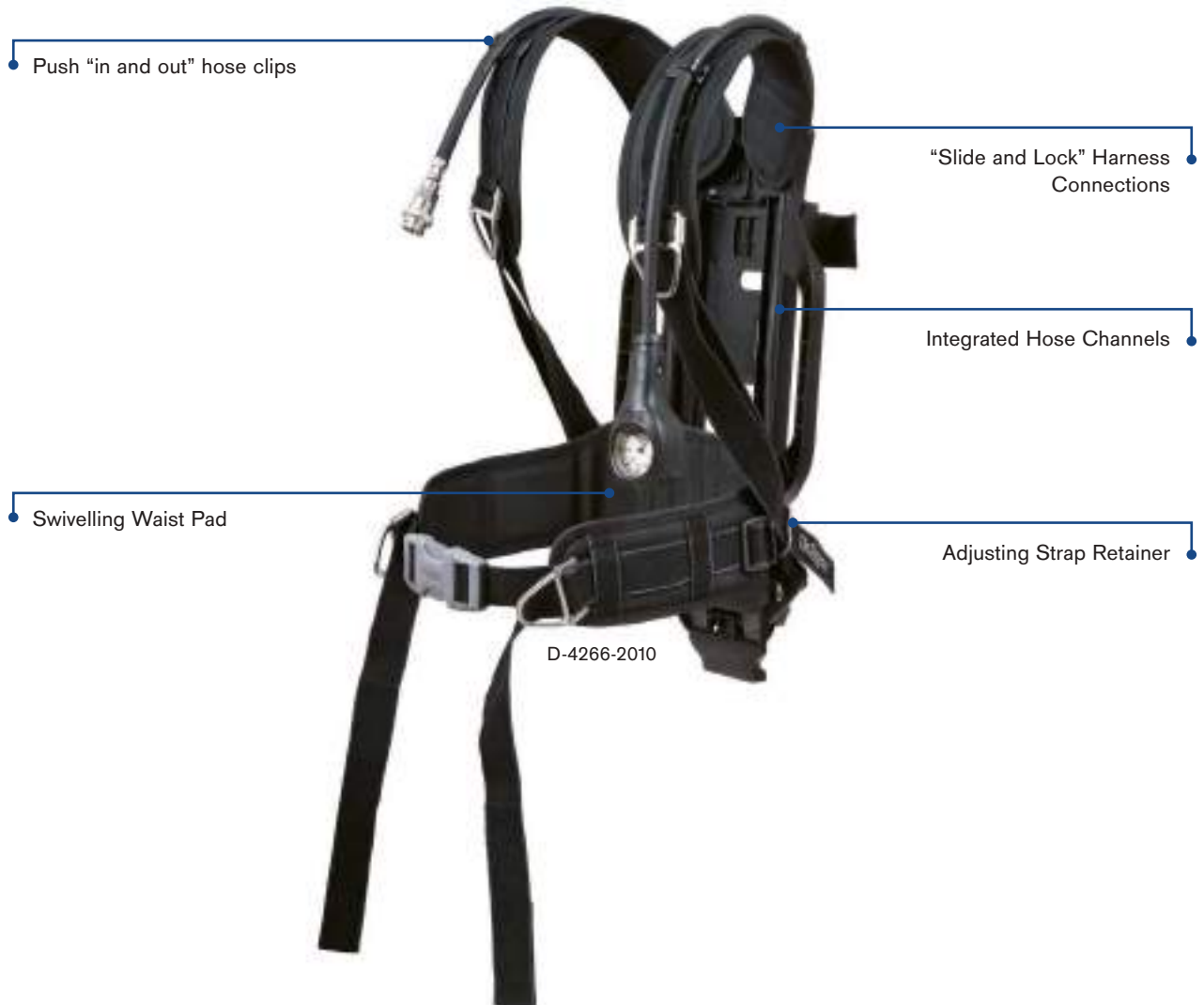
### Feature and Benefits



## Dräger PSS® 5000

The Dräger PSS® 5000 is with a fixedheight back plate, advanced harness materials and a pivoting waist belt. It is designed to be fully compatible with the globally established Dräger Bodyguard® 7000 electronic signal and warning unit, as well as the newly integrated Dräger PSS® Merlin modem.

### Feature and Benefits



## Dräger PSS® 4000

The Dräger PSS® 4000 is one of the lightest professional self-contained breathing apparatus for firefighters. Combining comfort with exceptional pneumatic performance, this SCBA is designed for applications where simplicity and ease of use are crucial. Lightweight yet robust, and easy to don, the PSS® 4000 provides outstanding breathing protection.

### Feature and Benefits

**Closed, single piece high-tech harness** designed for comfort, preventing excessive water and chemical absorption, reducing cleaning and drying time

**High performance webbing** highest quality according to EN 137.2006 Type 2

**Integrated hose channels** incorporated within the backplate to protect the hose and minimize the risk of snagging

**Dräger Bodyguard® 1500 System** wireless transmission of pressure data between Tx gauge, Bodyguard® 1500 PASS device and FPS® 7000 HUD

**Stainless steel adjusters** secure controlled, smooth webbing adjustment and easy release

**Pull forward waist adjustment** ease of fitting for professional firefighting



D-38071-2015



## Dräger PSS® 3000

The Dräger PSS® 3000 is a new generation of high performing breathing apparatus for firefighters. Combining comfort with exceptional pneumatic performance, it is designed for applications where simplicity and ease of use are key essentials. Lightweight yet robust, and easy to don, this advanced breathing apparatus provides the ultimate in breathing protection.

### Feature and Benefits



## Dräger PAS® Colt

The Dräger PAS® Colt is a short term escape breathing apparatus. This hip-mounted unit offers a distinctive, sophisticated harness designed to help retain its shape. The cylinder compartment can easily be removed from the harness in case of space restrictions.

### Feature and Benefits



## Dräger PAS® Micro

The Dräger PAS® Micro is a compact back mounted short duration breathing apparatus designed to follow the natural contours of the wearer's back.

### Feature and Benefits

#### Robust carrying system

- Made from antistatic, highly flexible, robust material
- Machine washable
- Closed-pore pad: water, oil and chemical resistant as well as acid and alkaline resistant
- Stable form—even at extreme temperatures
- High resistance to wear and heat



**Small, light compressed air cylinder**  
No heavy burden during use

**Precise manometer (tested in accordance with EN 137)**  
Positioned on the side of the body (hip-mounted): easily readable

ST-3559-2003

**Connection for Airline**  
For use in combination with an external air supply (air hose system or compressed air network) and optional automatic switch-over valve (ASV) between the external supply and the compressed air cylinder

## Dräger PSS® BG 4 Plus

The Dräger PSS® BG 4 Plus is a closed circuit breathing apparatus that combines uncompromising safety with outstanding respiratory protection and highest breathing comfort with an integrated cooling system.

### Feature and Benefits



## Dräger PSS® Lung Demand Valve

Suitable for the most extreme applications whenever breathing apparatus has to be worn: with its compact and robust design, and excellent pneumatic performance, the Dräger PSS® Lung Demand Valve will always deliver the air that you need.

### Feature and Benefits



ST-361-2001



## Dräger FPS®-COM 7000

The Dräger FPS® mask ensures highest level of fit with the double sealing frame and new design offers optimal field of vision. Optional accessories such as FPSCOM-PLUS and Head-up display improves the need for integrated and streamlined solutions.

### Feature and Benefits

#### Large visor (180° angle)

- Optimal view during work
- Made from Polycarbonate with antiscratch coating

#### 5-point harness / adapter

- Simple donning and doing
- Also available with S-ix/Q-ix adapter for use as maskhelmet-combination

#### RP connection

- For closed-circuit breathing apparatus, e.g. Dräger PSS® BG 4 plus

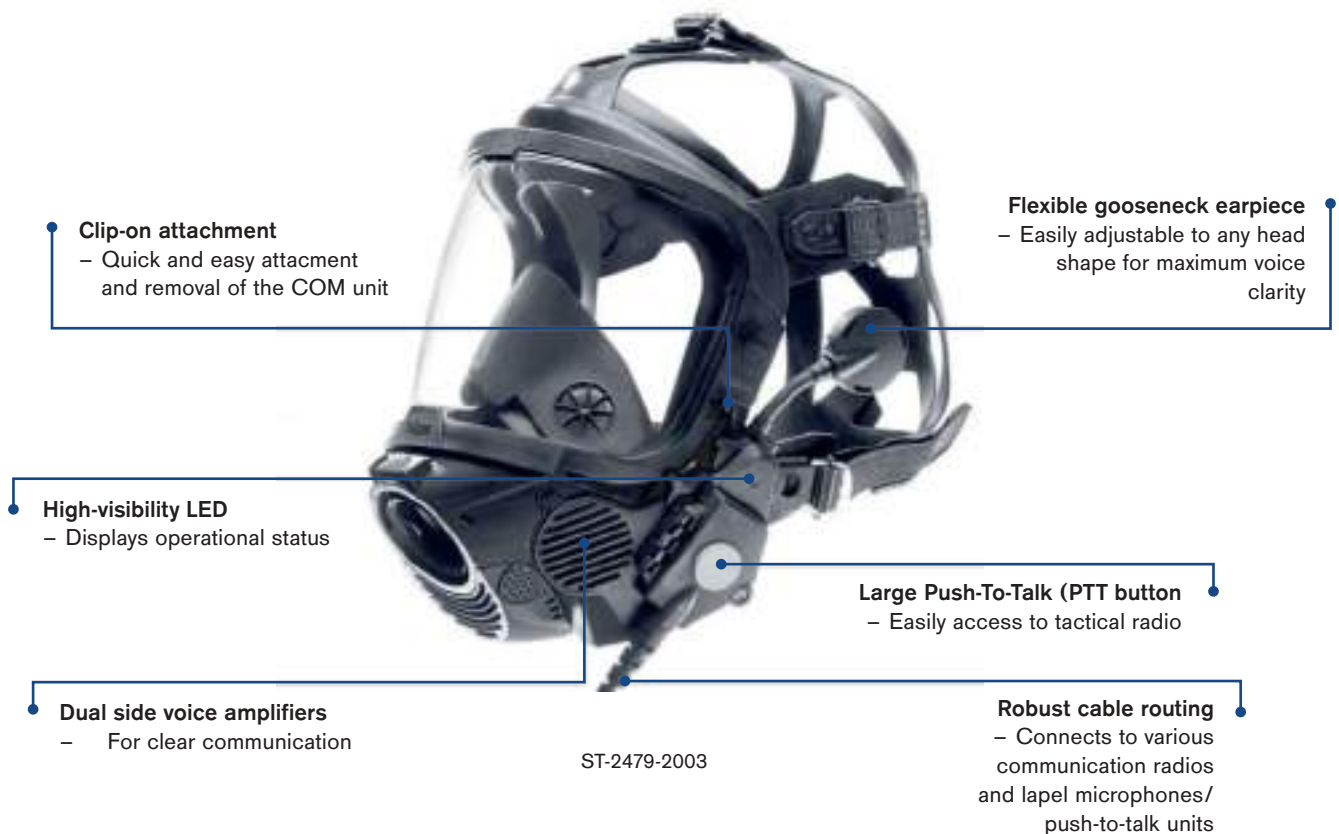


ST-12481-2008

## Dräger FPS®-COM 5000

The respiratory mask Panorama Nova meets the highest standards of protection, sealing and quality. For decades proven worldwide, the full face mask represents absolute reliability in the protection of the respiratory tract and eyes.

### Feature and Benefits



## Dräger HPS 7000

The Dräger HPS 7000 firefighter's helmet is in a class of its own thanks to its innovative, sporty and dynamic design, ergonomic fit and components which make it a multifunctional system solution. It provides you optimum protection during every operation.

### Feature and Benefits



## Dräger Panorama Nova® Mask

The respiratory mask Panorama Nova meets the highest standards of protection, sealing and quality. For decades proven worldwide, the full face mask represents absolute reliability in the protection of the respiratory tract and eyes.

### Feature and Benefits



**Large visor (180° angle)**

- Optimal view during work
- Made from Polycarbonate (optionally also with coating) or Triplex

**5-point harness / adapter**

- Simple and easy donning and doing
- Also available with Supra adapter for use as mask-helmet-combination

**Comfortable and secure fit**

- Double sealing frame with threefold sealing edges
- More secure protection and tight fit for all face shapes

**Robust connection**

- Offers compatibility and secure application with Rd40 filters, powered air purifying respirators, SCBA and airline systems

D-13629-2010

## Dräger HPS® 4500

The Dräger HPS® 4500 is a traditional half-shell helmet with a modern design. Its robust outer shell provides you with excellent protection against impact and extreme heat. With a modern visor design, the helmet has superior wearer comfort due to ergonomic and lightweight internal components. A comprehensive range of accessories make our solution a truly versatile helmet across a variety of applications.

### Feature and Benefits





## Dräger Bodyguard® 1500

Dräger Bodyguard® 1500® is an automatic wireless PASS system which increases wearer safety in potentially hazardous situations. The system draws attention to colleagues in distress by generating distinctive visual and acoustic alert signals and features wireless data transmission from the pressure gauge to the PASS device.

### Feature and Benefits



D-57238-2012

## Dräger Bodyguard® 7000

The Dräger Bodyguard® 7000 is an electronic signal and warning unit which provides continuous monitoring of personal information and operation status of PSS® 7000 or PSS® 5000 SCBA.

### Feature and Benefits



ST-6168-2007

## Dräger PSS® Merlin

The Dräger PSS® Merlin telemetry system offers a precise overview status of SCBA wearers. The vital status information is communicated directly between the entry control point and the wearer. Automatic log-on function increases safety by ensuring all SCBA users data are captured.

### Feature and Benefits



D-52717-2012

## Dräger UCF® Series

The new generation UCF thermal imaging cameras feature optimized image processing, intuitive interface and an almost indestructible casing. UCF7000/9000 offers the maximum level of safety and reliability in potentially explosive atmospheres with ATEX zone 1 approval.

### Feature and Benefits



## Dräger Saver CF

The Dräger Saver CF constant flow Emergency Escape Breathing Apparatus allows safe, effective and uncomplicated escape from hazardous environments. Simple to put on and featuring practically automatic operation, this hood-based, positive-pressure breathing device can be used with minimal training.

### Feature and Benefits



D-33944-2011



## Dräger Saver PP

Dräger Saver PP constant flow Emergency Escape Breathing Apparatus allows safe, effective and uncomplicated escape from hazardous environments. Simple to put on and featuring automatic operation, this positive-pressure breathing device features an integrated full-face mask can be used in conjunction with other safety equipment such as ear rotectors or helmets.

### Feature and Benefits



## Dräger Oxy 3000/6000

Robust and always under control: the oxygen self-rescuers Dräger Oxy 3000 and 6000 are designed to handle the harshest conditions, with independent supplies of air for up to 30 and 60 minutes respectively. The Safety Eye provides an additional level of security: the status window allows the user to assess whether the device is operational within seconds.

### Feature and Benefits

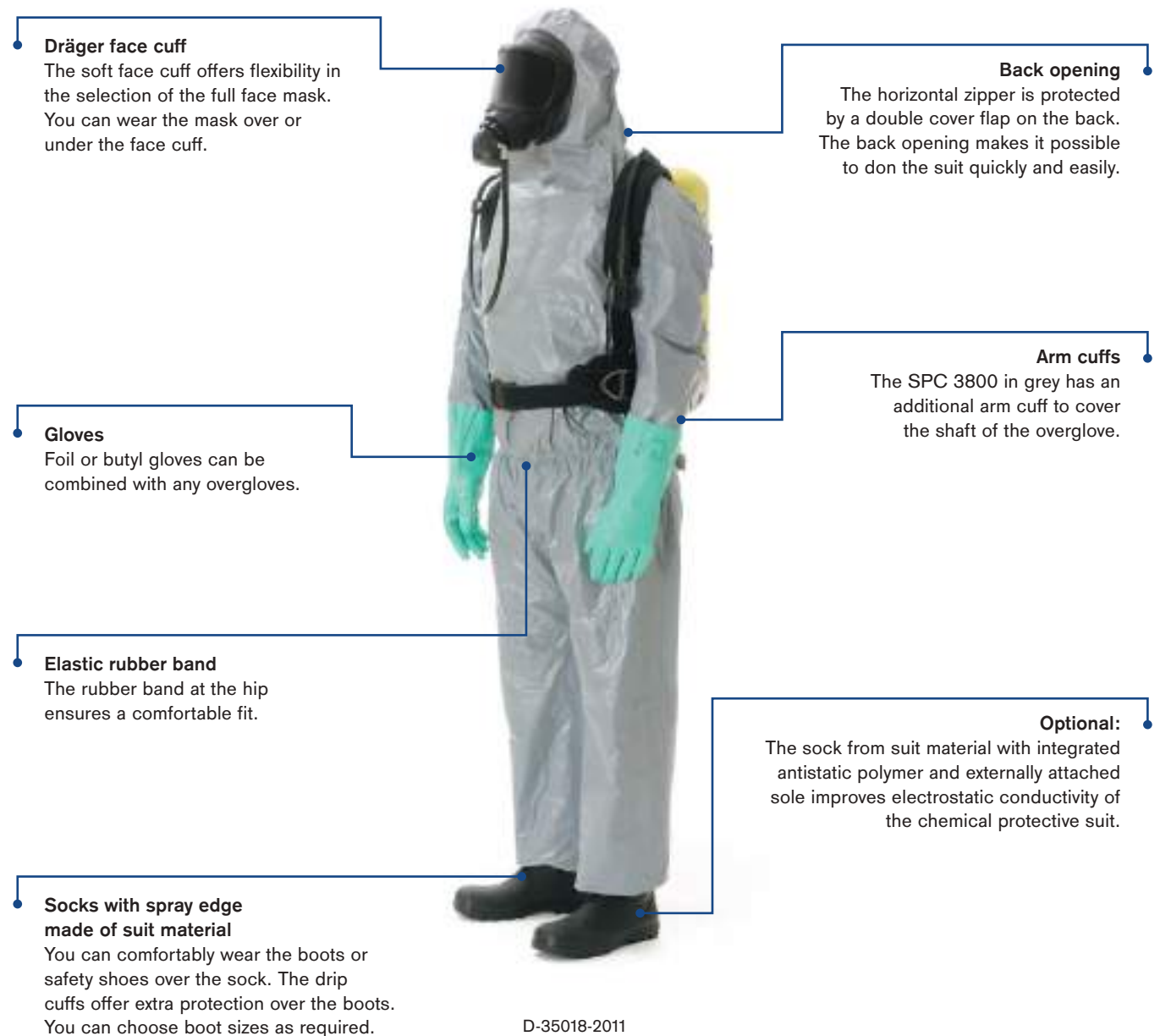


D-50917-2015

## Dräger SPC 3800

Dräger SPC 3800 splash suit provides protection from head to toe. The protective overalls prevent contact with solid and liquid chemicals which is primarily used in industry and shipping environment.

### Feature and Benefits



## Dräger CPS 5900

The Dräger CPS 5900 is the ideal disposable, gas-tight chemical protective suit for hazmat incidents. It is the ideal limited-use light weight suit that's suitable for use where complete protection against industrial chemicals, biological agents, and other toxic substances is of the utmost priority.

### Feature and Benefits

**Flexible and foldable two-layer visor**  
offers almost natural field of vision

**Integrated waist belt**  
for improved fit and high wearing comfort

**Zipper fastener**  
with double lap zipper protection

**Backpack**  
offers optimal comfort for carrying the interior compressed air breathing apparatus

**Wide front entry**  
for easy donning and doffing

**Integrated gas-tight socks**  
for use with multiple boot sizes, with boot laces



D-22732-2009

## Dräger CPS 5800

The Dräger CPS 5800 is a limited-use chemical protective suit for industrial applications and operations on board that involve a gaseous, liquid or solid hazardous substance.

### Feature and Benefits



**Flexible and foldable two-layer visor**  
offers almost natural field of vision

**Integrated waist belt**  
for improved fit and high wearing comfort

**Zipper fastener**  
with double lap zipper protection

**Backpack**  
offers optimal comfort for carrying the interior compressed air breathing apparatus

**Wide front entry**  
for easy donning and doffing

**Integrated gas-tight socks**  
for use with multiple boot sizes, with boot laces

D-22732-2009



## Dräger CPS 6900

Dräger CPS 6900 protects against cryogenic hazardous substances and low concentrations of acids and alkalis then the Dräger CPS 6900 chemical protective suit is the right choice. The new and innovative suit design is both flexible and comfortable.

### Feature and Benefits

Manometer mount for attaching a manometer or Bodyguard in the field of view of the wearer.

The length adjustment can be used to adapt the suit to individual body heights.

The D-Connect serves to attach e.g. measuring devices and can also be used for crash rescue.

The patented Dräger glove joint allows gloves to be changed quickly and without tools.

- The PT 120 L control valve is an adjustable ventilation unit for cooling the suit interior.
- The Air-Connect is a connection to external breathing air supply.

- Integrated safety boots make donning easier.
- Alternatively, gas-tight socks offer flexibility in the choice of boots.



D-90439-2013

## Dräger CPS 7800

The reusable gas-tight Dräger CPS 7800 (type 1b) provides excellent protection against gaseous, liquid, aerosol and solid hazardous substances even in explosive areas. Due to its innovative material and the new suit design it offers increased flexibility and comfort when entering confined spaces and working with cryogenic substances.

### Feature and Benefits

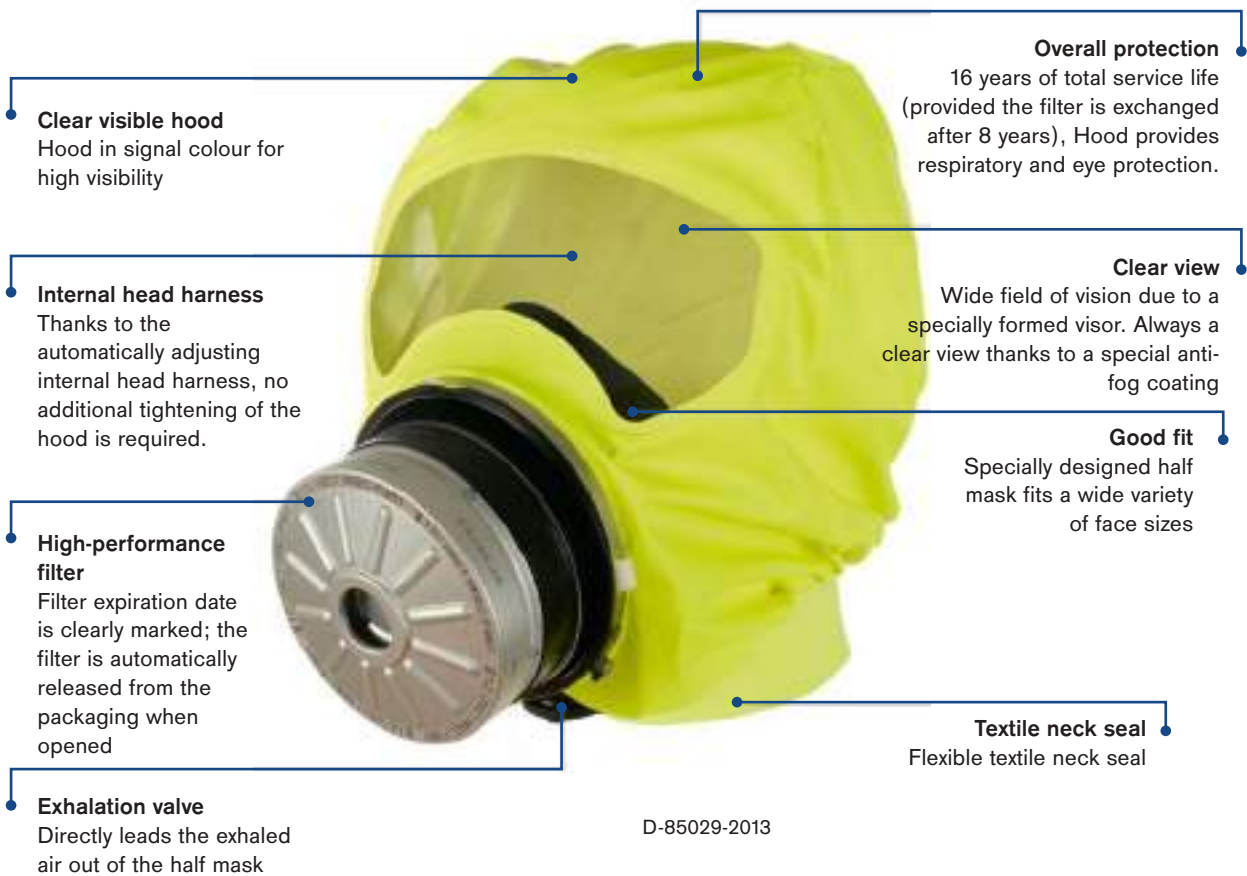


D-44232-2012

## Dräger PARAT® Escape Hoods

Dräger PARAT® Escape hoods are developed in cooperation with users - always - with the focus on the fastest escape. Optimised operation and wearing comfort, a robust housing and tested filters guarantee that the wearer of the Dräger PARAT® is protected from toxic industrial and fire-related gases, vapours and particles for at least 15 minutes.

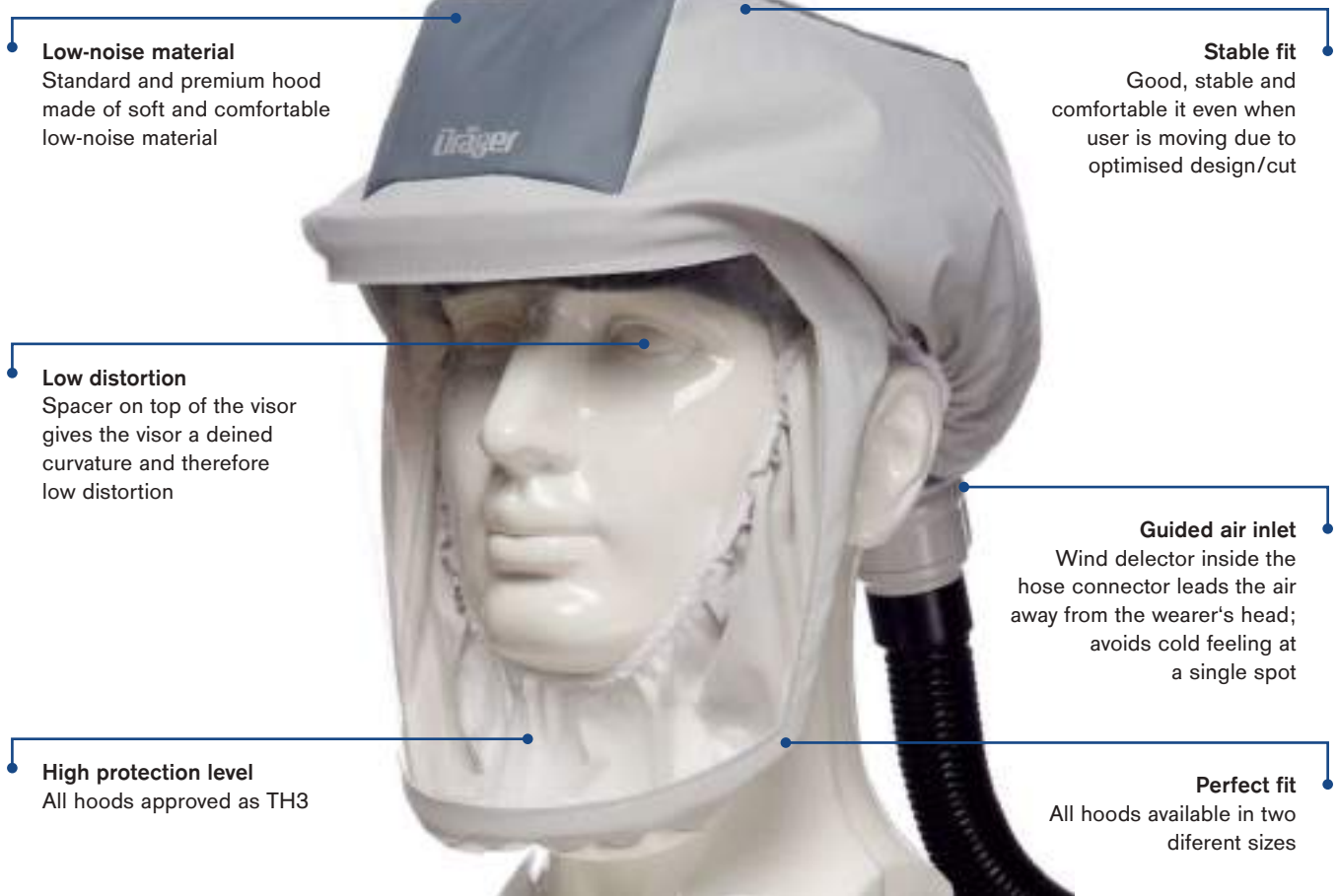
### Feature and Benefits



## Dräger X-plore® 8000

Dräger X-plore® 8000 is designed for safe use in challenging workplace conditions, which offers a new level of intuitive handling combined with intelligent electronics that provide the high degree of safety for users to focus their task at hand. It features heavy duty design with rubber protectors and high ingress protection (IP 65) against dust and water jets from any direction.

### Feature and Benefits



D-119009-2013



## Dräger X-plore® 6000 full face masks

The Dräger X-plore® 6000 full face masks are the most widely used by professionals in a wide variety of applications. It meets the highest demands for quality, reliability, secure fit and comfort. The X-plore® 6000 masks have proven itself over decades of use, globally – redesigned and improved with fresh colours and an integrated bar code.

### Feature and Benefits





## Dräger X-plore® 3300/3500

A perfect combination: modern design and light weight offer you extra protection and comfort. Choose from the low-maintenance, cost-effective Dräger X-plore® 3300 half mask or Dräger X-plore® 3500 version for long lasting protection under tough conditions.

### Feature and Benefits



## Dräger X-plore® 4700

The Dräger X-plore® 4700 is a robust half mask which offers excellent comfort and outstanding leak tightness for demanding applications. Thanks to the wide range of filters available for protection against gases, vapours and particles. It is ideally suited for use in a variety of industries.

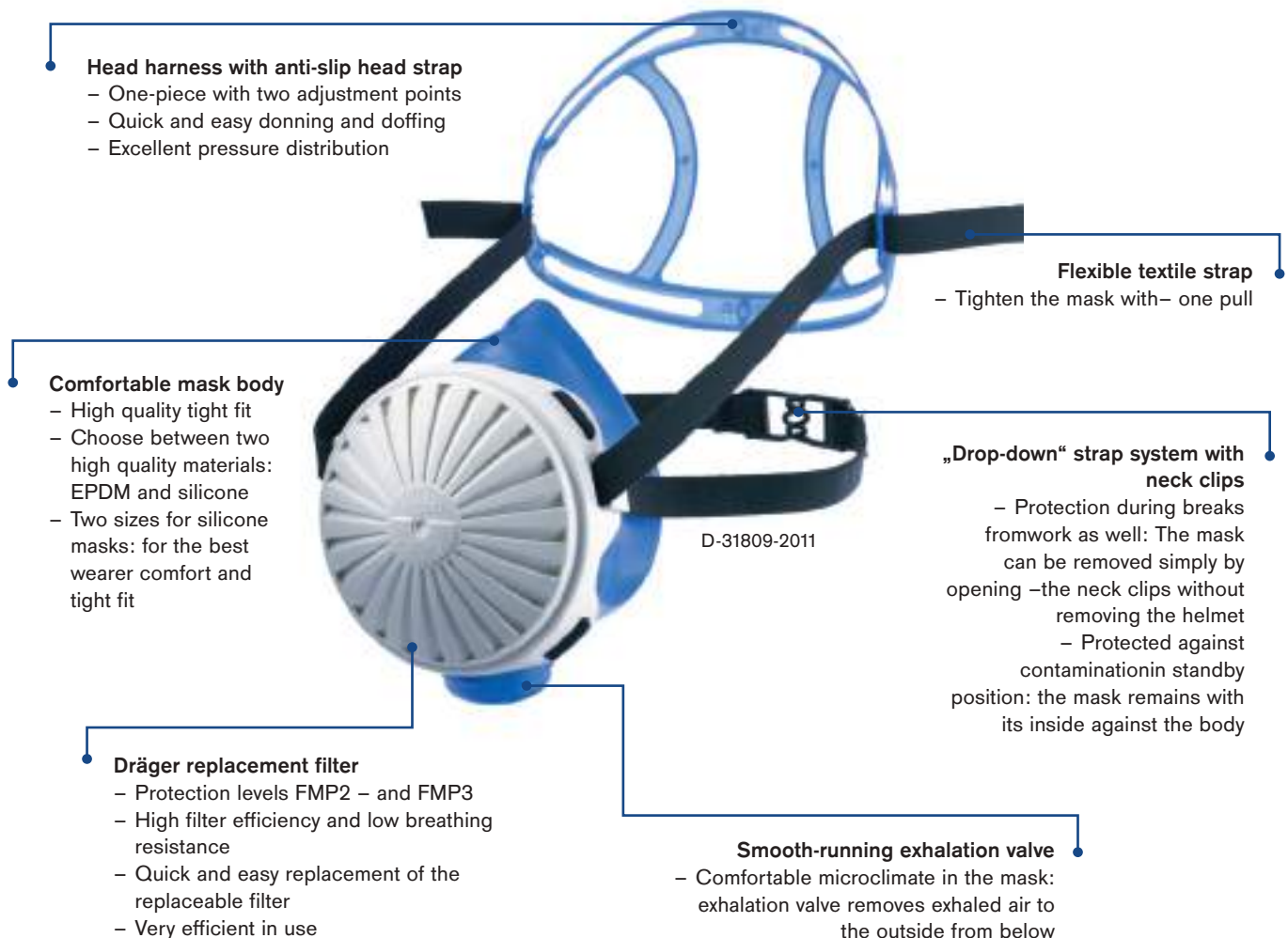
### Feature and Benefits



## Dräger X-plore® 2100

Frequent work in a dusty environment requires reliable respiratory protection. The Dräger X-plore 2100 is your reusable alternative to disposable dust masks. The replaceable filters save costs, making it the ideal combination of safety and economic efficiency.


### Feature and Benefits



## Dräger X-plore® 1300/1700 disposable masks

Dräger disposable masks allow easy breathing, keep you cool under the masks and ensure reliable respiratory protection. Dräger disposable masks are available in the protection classes N95 and R95 and are optionally available with an exhalation valve and an activated carbon layer respectively, which allows additional comfort and odour control.

### Feature and Benefits



**CoolSAFETM filter material**  
Performance that makes a difference: CoolSAFETM filter material produced from high-performance filter media combines low breathing resistance and high filter performance in one mask. The material also exceeds the challenging dolomite dust test requirements.

**Flexible nose clip**  
Ensures a great fit in the most critical area.

**Nose seal**  
Safe sealing in the most critical area: all face pieces are equipped with special nose seal. It is sweat-absorbing, comfortable and most importantly ensures an effective seal around the nose.

**Formed mask body**  
Proven, ergonomic, stable: The special design and shape of the mask body offers comfortable and secure fitting to faces with a wide variety of shapes and sizes. The masks can be donned quickly and easily. The interior volume ensures wearing comfort along with easy communication. Inside, the mask body is specially reinforced, thus ensuring dimensional stability throughout long periods of time.

**VarioFLEX™ head harness with EasyStop**  
Easy to don/doff and adjust with a pressure-free fit: This continuous loop head harness is constructed from a robust, tear-proof textile strap. In contrast to other face pieces, no clips are required – preventing uncomfortable pressure and allergic reactions. The head harness can be donned/doffed easily and quickly, and without hair entanglement. Thanks to EasyStop, the head harness can easily be adjusted to various head sizes while sitting comfortably and safely.

**CoolMAX™ exhalation valve (optional)**  
Breathe easy and comfortably with extremely low breathing resistance. The exhalation valve releases humid and warm air, preventing heat build-up underneath the mask, allowing you to stay cool while working hard.

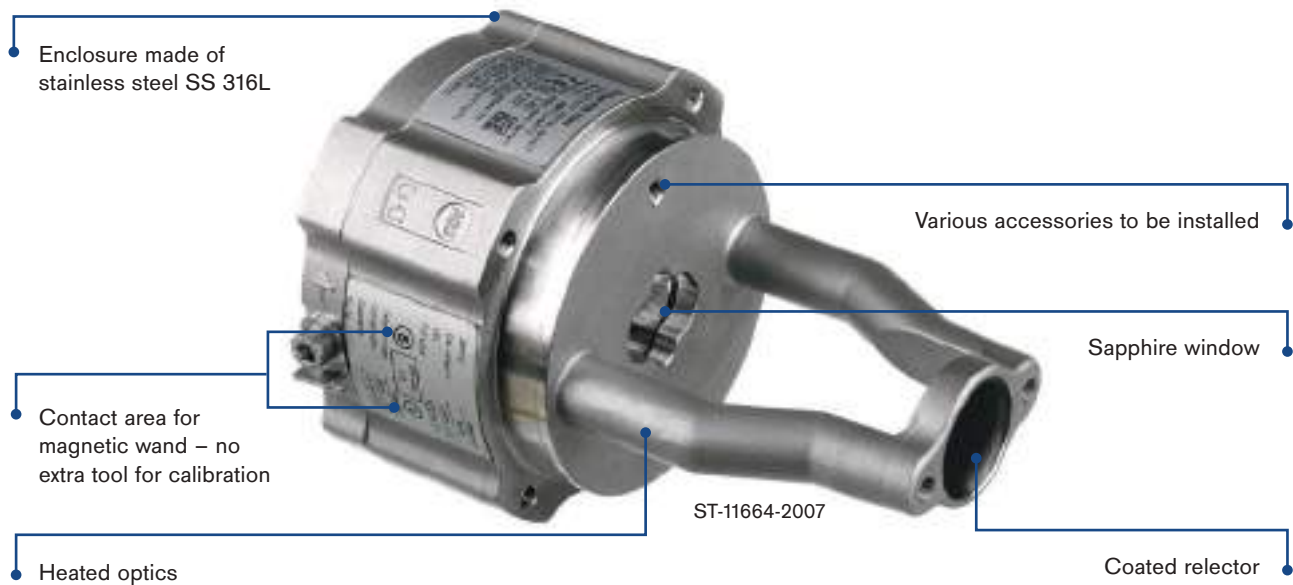
**Hypoallergenic inner layer**  
Comfortable to wear: the hypoallergenic inner layer is easy on your skin and gives the user added comfort even when used for longer periods of time.

ST-5450-2007

## Dräger PIR 7000/Polytron® 5700/ Polytron® 8700

Explosion-proof infrared optical transmitter in a SS 316L housing for continuous monitoring of flammable gases and vapours, offering most stable measuring signals under harshest conditions.

### Feature and Benefits



### Typical Application

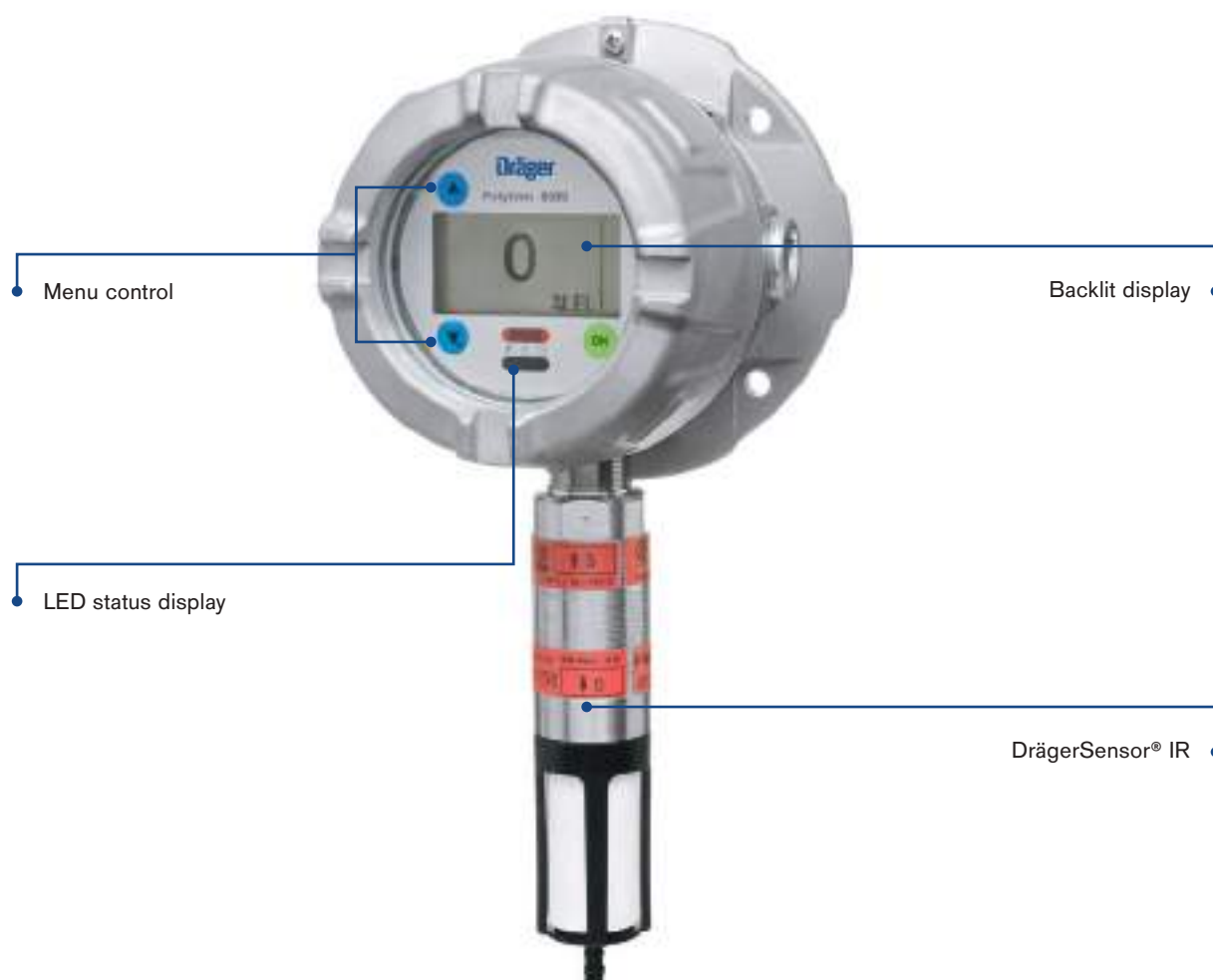
1. This transmitter is equipped with an internal SGI/TGI gas library function with more than 200 substances lab-measured. Every substance out of the instrument's gas library can be selected as a Measuring Gas. By this, an optimum linearized signal output for this selected substance is provided, over the entire measuring range.
2. Fast response of 1 second
3. The calibration of the Dräger PIR 7000 will be done using the selected calibration gas as basis for calibration (including adjusting its sensitivity), "operating" in the Calibration Gas linearization. In a second step, all calibration data will be converted internally and automatically to the selected Measuring Gas setting. This procedure has been tested by the notified body DEKRA EXAM. And it is certified within the ATEX performance approval according to EN 60079-29-1.



## Dräger PIR 3000/Polytron® 5310/ Polytron® 8310

Economical infrared gas detector for continuous monitoring of combustible gases and vapours of up to 100% LEL.

### Feature and Benefits



D-15018-2010

### Typical Application

1. The IR sensor is poison resistant against chemicals that can shorten a catalytic bead pellistor's life.
2. The sensor splash guard with integrated tubing nipple permits one person to perform a full calibration of a remote mounted sensor installed 30 meters away from the transmitter.
3. Three relays for controlling external equipment

## Dräger Polytron® 5200/ Polytron® 8200

Explosion-proof, microprocessor-based gas detector with catalytic bead sensor, for continuous monitoring of combustible gases and vapours.

### Feature and Benefits



### Typical Application

1. Uses catalytic bead sensor to continuously detect flammable gases and vapors.
2. Innovative dual active elements result in very good long-term zero stability.
3. Dräger has raised the bar yet again for poison resistance.

## Dräger Polytron® SE Ex/ PEX 3000

Economical gas detector with catalytic bead sensor, for continuous monitoring of combustible gases and vapours.

### Feature and Benefits



D-11160-2011

### Typical Application

1. Based on the special construction, the sensors have a longer lifetime compared to conventional sensors when being exposed to industrial atmospheres containing catalyst poisons such as sulfur-, phosphor-, lead- or silicon compounds.
2. To achieve short response times the gas entrance of the DQ-sensor is not a conventional sinter disc but a thin wire mesh disc so that the gas to be detected can very quickly enter the pellistors by way of diffusion.
3. Owing to the state-of-the-art design of the Dräger PEX 3000 it is possible to open the Ex e junction box in the hazardous area to perform maintenance and calibration.

## Dräger PIR 3000

The Dräger PIR 3000 is an explosion proof infrared gas detector for continuous monitoring of combustible gases and vapors. Based on a stainless steel SS 316 enclosure as well as on a good measuring performance, this transmitter offers an excellent price-performance-ratio.

### Feature and Benefits



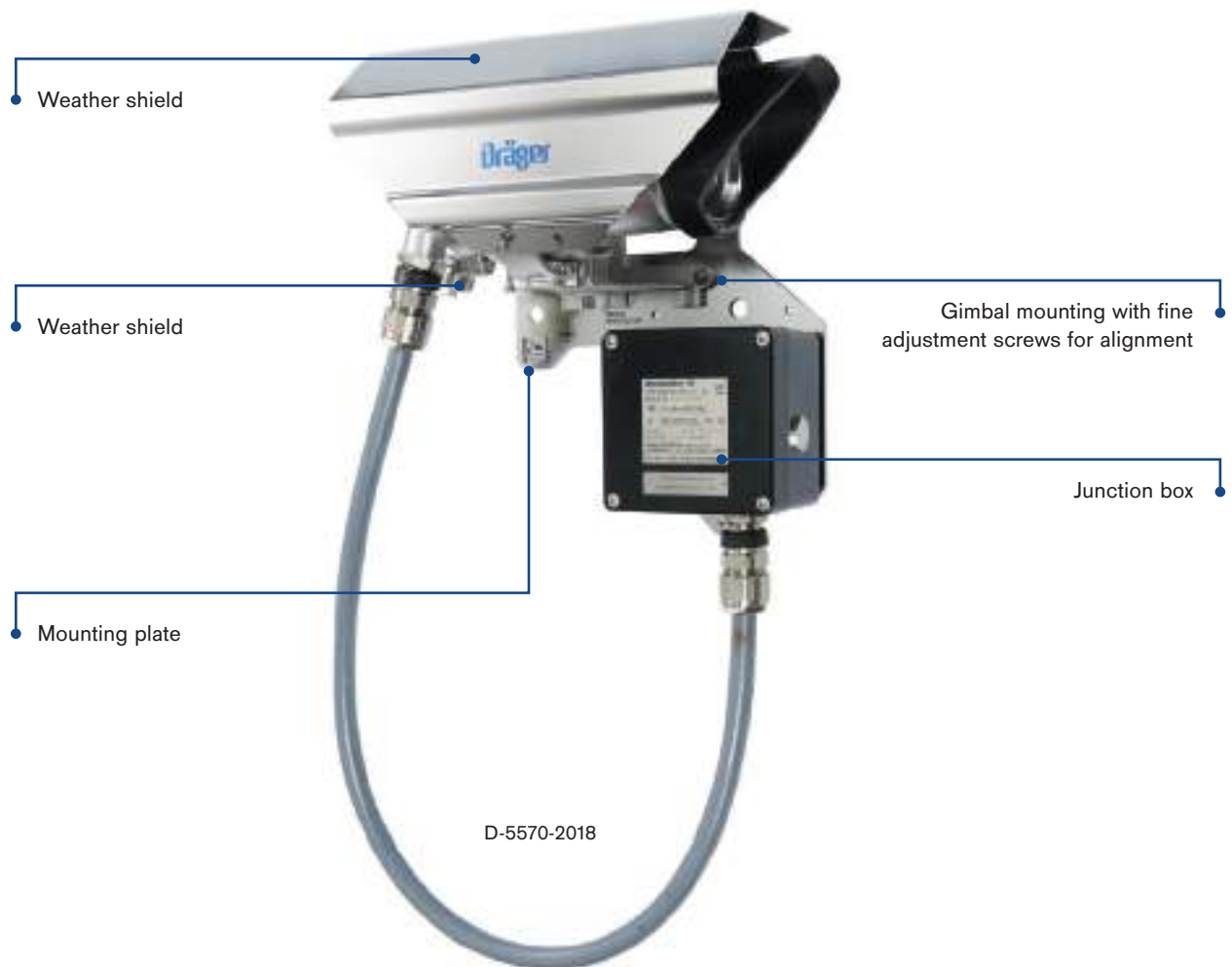
### Typical Application

1. Based on an outstanding product quality, the Dräger PIR 3000 provides high reliability and excellent measuring performance, e.g. in terms of fast response and long-term stability. The temperature range is specified from  $-40$  to  $+65$  °C, and, due to the heated optics, the sensor can be operated in humid environments from 0 to 100 %RH.
2. The mounting orientation is completely flexible and the transmitter is approved according to worldwide preferred standards: ATEX, IECEx, UL and CSA. Weather protection is secured by the attached splash guard, included in delivery and certified with IP 66 and IP 67.
3. The user can choose from three different gas categories – methane, propane and ethylene – all listed in one internal gas library. Individual linearization curves offer temperature-compensated readings.

## Dräger Pulsar 7000

The Dräger Pulsar 7000 Series are stationary open path gas detectors. They detect flammable hydrocarbons gases and vapours. The robust design and the extremely rapid response of the sensor make the Dräger Pulsar 7000 Series a dependable solution for your requirements in the oil and gas industry, as well as the chemical industry. Large status LED (amber/green) provides clear indication of the instrument status.

### Feature and Benefits



### Typical Application

1. To detect flammable gas cloud at a distance from 4 - 200 meters within two seconds.
2. Reliability is guaranteed not just under ideal weather conditions by using the digital signal to increased frame flash rate and light intensity.
3. Easy to align, configure and commission. No alignment telescope is required.



## Dräger Polytron® 5100/ Polytron® 8100

Explosion-proof, microprocessor-based gas detector for electrochemical sensors, for continuous monitoring of toxic gases and oxygen in ambient air.

### Feature and Benefits



D-52604-2012

### Typical Application

1. With unique electrochemical DregerSensors, Polytron 8100 can detect over 100 toxic gases and oxygen. These long life sensors provide continuous detection even under the harshest conditions. DrägerSensors offer the industry's widest temperature and humidity range between -40°C to +65°C.
2. The built-in memory contains all calibration and configuration information. Therefore the sensor ships per-calibrated and are ready for immediate operation.
3. The intrinsically safe connection of the sensor eliminates the need for a flame arrestor, giving you faster response times and higher sensitivity.

## Dräger Polytron® 3000/ Polytron® 7000

Intrinsically safe gas detector for continuous monitoring of toxic gases and oxygen. High measuring accuracy alongside simple mounting and very easy operation.

### Feature and Benefits

- **Large Display**  
34 x 62 mm, 64 x 128 pixel 1.3" x 2.4"
- **Quick Lock mechanism**  
One half turn-locked
- **Simple 3 button operation and navigation**  
Graphics, icons and real text descriptions
- **Polytron Docking station**  
Durable GRP housing



ST-3812-2003

### Typical Application

1. Dräger Polytron 7000 can measure 100 different gases. The DrägerSensors that were specifically developed for year round, permanent use in a stationary gas detection systems are known for their long life time and the excellent measuring quality.
2. Polytron 7000 comes with option for 4 to 20 mA signal, HART®, LON, PROFIBUS® or FOUNDATION Fieldbus™, can take over the link between the Dräger Polytron 7000 and the control system. The modular design allows for the subsequent retrofit onto one of the mentioned interfaces.
3. The design of the compact, impact-resistant, fiber-glass reinforced plastic enclosure is guarded against dust and splashing in accordance with (IP66/67). The transmitter has been approved according to the SIL 2 specification and it offers highest resistance to electromagnetic interferences.

## Dräger PIR 7200 / Polytron® 5720 / Polytron® 8720

Explosion-proof, microprocessor-based gas detector with an open, doublecompensated optical infrared sensor for continuous monitoring of CO<sub>2</sub>; with short response times and high signal stability.

### Feature and Benefits



### Typical Application

1. The unique 4 beam signal stabilizing system makes the sensor resistant to dust or dirt deposits on the optical surfaces. Environmental and aging effects are compensated ensuring long term, drift free operation.
2. The measuring range can be freely adjusted between 0 – 2,000 ppm and 0 – 30% volume enabling a wide variety of applications.
3. Three relays for controlling external equipment

## Dräger VarioGard 3x00

Cost-efficient solution for non- industrial applications: modular gas detection system with digital bus to connect and manage up to 100 transmitters for various gases.

### Feature and Benefits



D-6452-2010

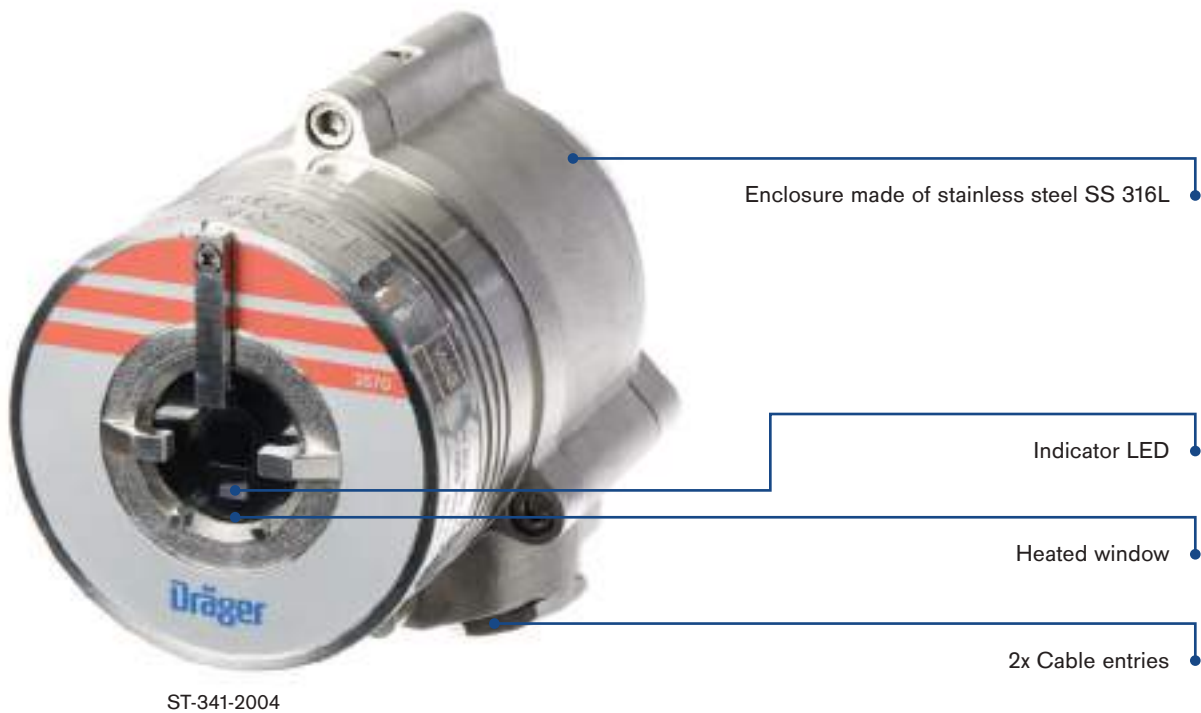
### Typical Application

1. VarioGard Central Unit can supply power to as many as 24 bus modules, and a Battery Module is available as a back-up power source. A Converter Module, Relay Module and LON Module are also available. A Dräger VarioGard Repeater and separate voltage supply can be used to expand the Dräger VarioGard system to up to 100 bus modules.
2. The maximum bus length is four times 1,000 meters. A simple three-core installation cable is all that is needed for the bus line.
3. VarioGard system can be configured and programmed to meet the customer's individual requirements. Besides the data provided by the sensors, digital and any analog 4 to 20 mA input signals can be read and processed. Four alarm thresholds and four averaged time-alarms can be configured for each sensor in the gas detection system.

## Dräger Flame 2xx0 series (Additional)

detects hydrocarbon based fires even over greater distances. Moreover, it offers a high reliability against false alarms. Built in HART with SIL2, IECEx approvals. Output: 4-20mA and Relays.

### Feature and Benefits



### Typical Application

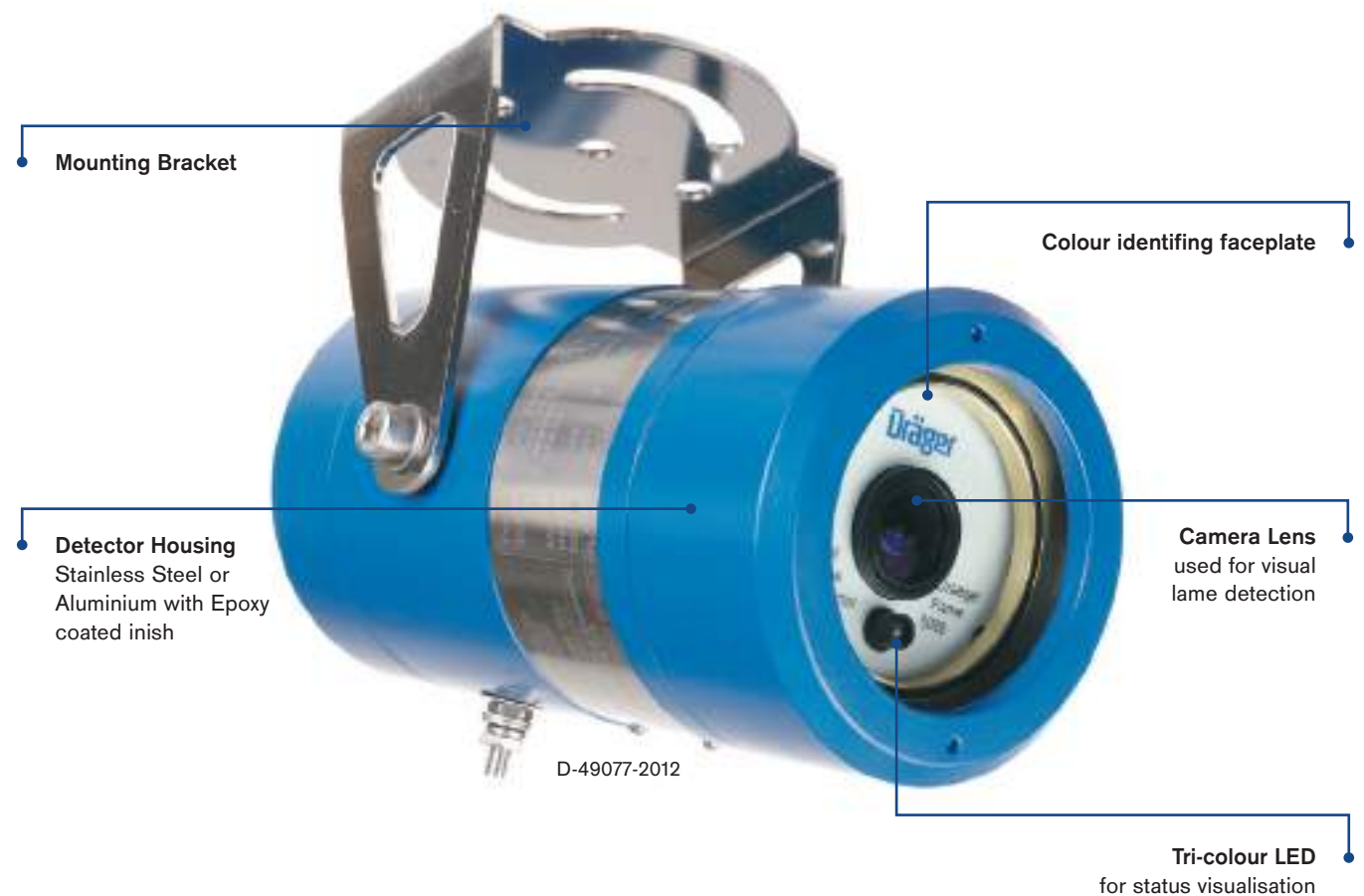
1. The Dräger Flame 2000 series comes with different type of detection sensors ranging from IR, UV, UVIR, Ultrafast, IR3 to Multi IR type.
2. The flame detectors are tough and durable. As one of the most weather resistant detector currently on the market, the Flame 2000 series is built to effortlessly function under various conditions. Such new features like its heated window effectively eliminate icing and condensation problems.
3. Functional safety is a concept applicable across all industry sectors. It is fundamental to the enabling of complex technology used for safety-related systems. It provides the assurance that the safety-related systems will offer the necessary risk reduction required to achieve safety for the equipment. The Dräger Flame 2000 series is highly reliable and complies with the IEC 61508 Safety Integrity Requirements of SIL2.



## Dräger Flame 5000

Explosion-proof colour imaging based flame detector, using a live colour video signal to detect characteristic properties of flames by means of digital signal processing and software algorithms.

### Feature and Benefits



### Typical Application

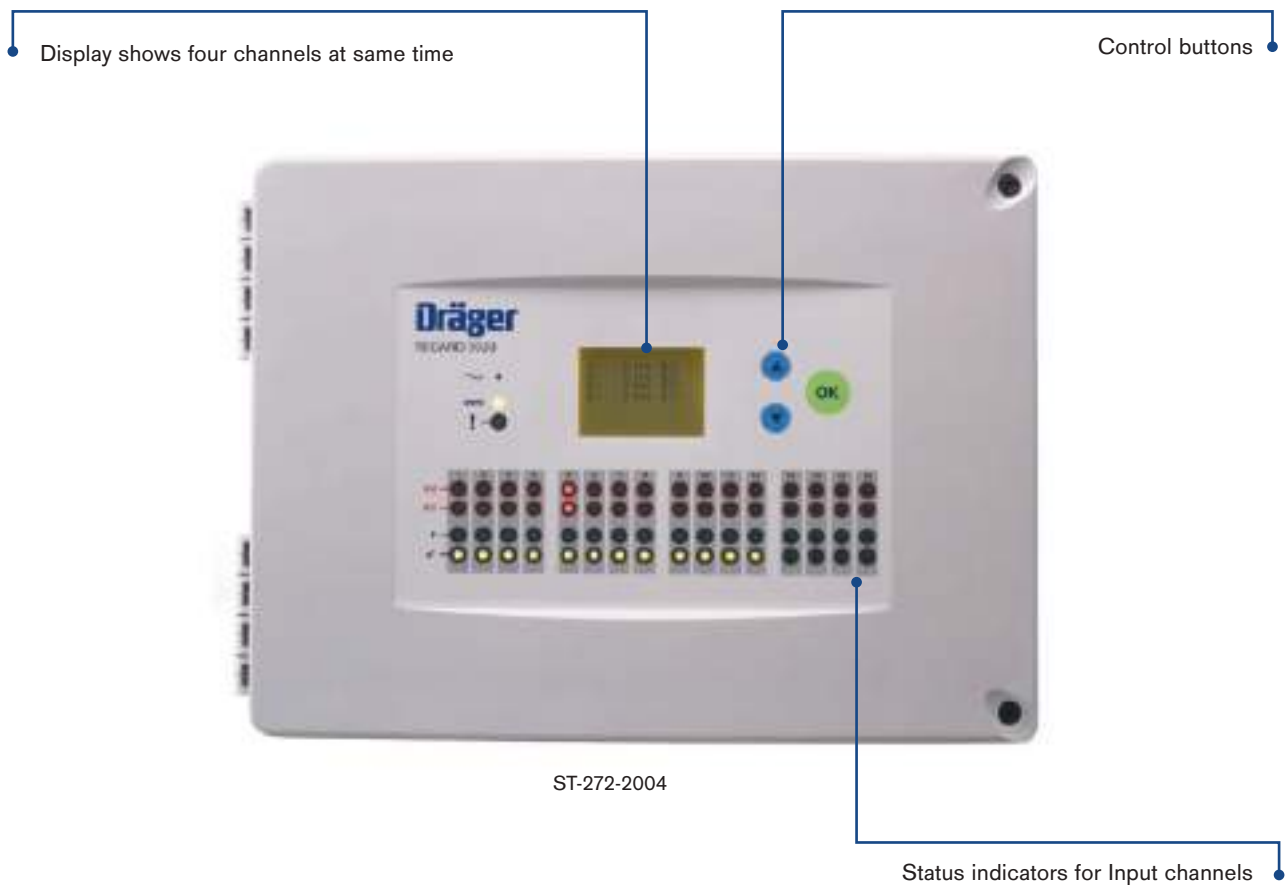
1. The unique software algorithm of the Dräger Flame 5000 is capable of discriminating between genuine fire conditions and other radiant sources that may cause conventional detectors to become desensitized or produce unwanted alarms. The detector is immune to common sources of unwanted alarms such as welding work, hot CO<sub>2</sub> emissions and flare reflections.
2. Operates as a stand-alone unit to transmit live video recordings or can be connected to a control system or a fire panel to provide fault and fire signaling.
3. Live video provides instant visual verification of a fire alarm without the operator having to enter a dangerous area. This reduces the risk of injury and improves response time.

## Dräger REGARD 3900/ 3910/ 3920

Typical Application

A series of standalone, fully configurable control systems for the detection of toxic gases, oxygen and combustible gases and vapours, for up to 16 channels.

### Feature and Benefits



### Typical Application

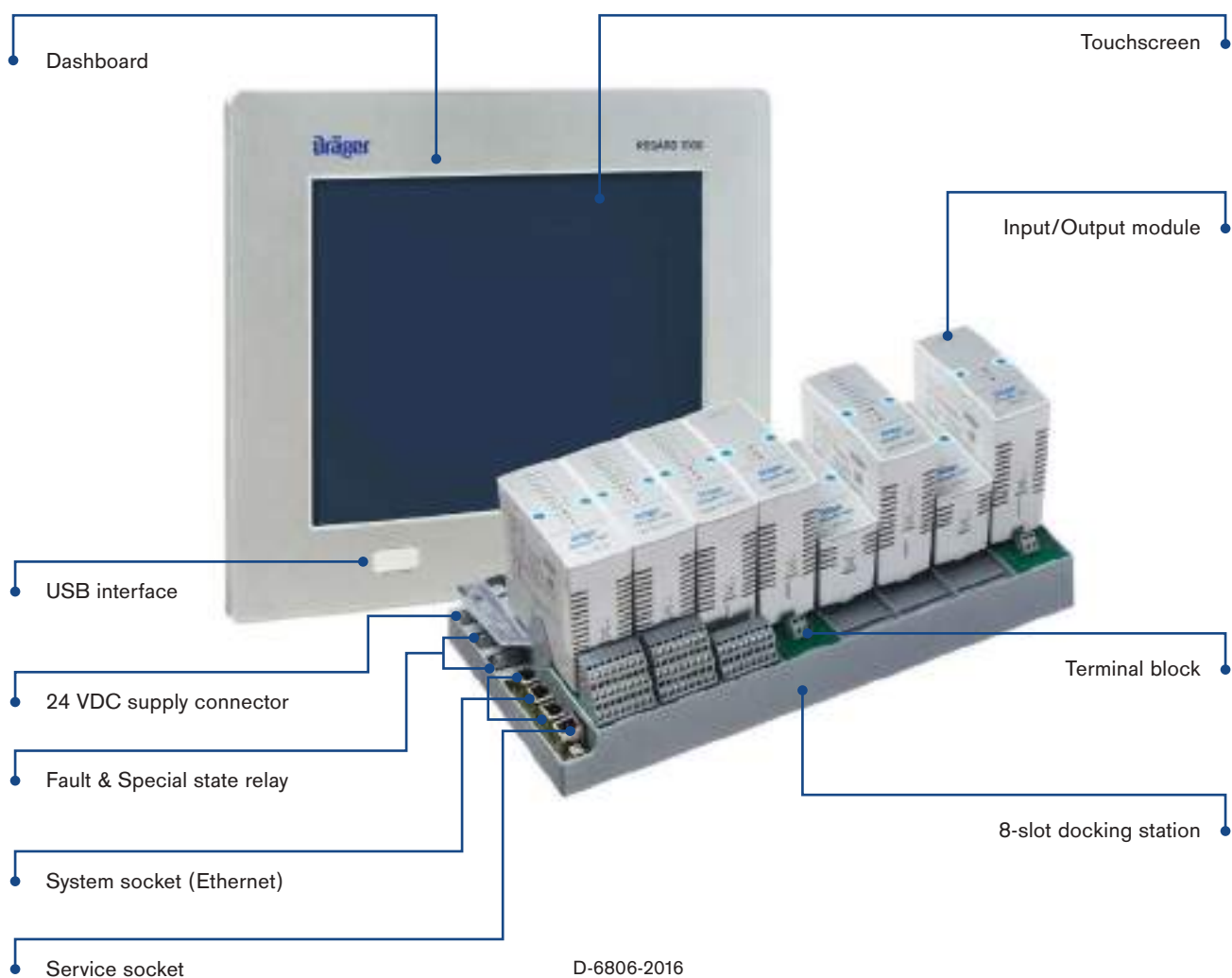
1. The REGARD 3900 is fully configurable via a Laptop PC. The configuration software, Config 3900, allows quick and easy set-up. For new installations the configuration can be performed off-line and then uploaded during commissioning. Or during a Service routine, the system configuration can be downloaded from the REGARD 3900 to the PC for verification.
2. Each relay output board is populated with eight additional SPCO relays. 7 relays can be configured as Single, Common, Voting, Inhibit or Non-operational. An additional Alarm 3 level is offered by the relay board along with a second Fault threshold.
3. Each 4-20mA output board repeats the signal of up to eight inputs. This allows indication or recording of gas levels by other units.

## Dräger REGARD® 7000

### Typical Application

When you need to monitor and analyze a number of various gases and vapors, the Dräger REGARD® 7000 is a modular and highly expandable analysis tool. Suitable for gas warning systems with various levels of complexity and numbers of transmitters, the Dräger REGARD® 7000 is exceptionally reliable and efficient.

### Feature and Benefits



### Typical Application

1. The master-less system architecture prevents effectively a total breakdown of the whole system. In case an input or output module fails only this particular module is affected and not necessarily the whole system.
2. By means of modern filter algorithm disturbing influences to the analogue signal are eliminated. In addition to this an adjustable alarm suppression time of max. 5 seconds is available. All this guides to a much more stable operation of the gas detection system and a clearly reduced number of false gas alarms. Additionally an improved method to detect special or status signals from the transmitters reduces the chance to misinterpret the condition of the system.
3. The capability to communicate via HART allows to receive additional transmitter diagnostic information to support service and maintenance jobs (asset management).

## Dräger Gassecurer GS01

The GS01 is a wireless infrared gas transmitter for continuous monitoring of flammable hydrocarbon gases and vapours in the oil and gas industry. The intrinsically safe and SIL-rated transmitter features completely wireless signal transmission and power supply. This makes the GS01 a flexible and cost efficient solution for plant expansions, upgrades, and new greenfield projects.

### Feature and Benefits



### Typical Application

1. Infrared sensor technology is taken to the next level using patented MEMS (Micro Electromechanical System) optical filters. MEMS is very long-term stable and eliminates the need for re-calibration, which directly reduces the maintenance costs. The infrared detection with MEMS operates at three different wavelength and includes heated optics to prevent condensation in the sensor.
2. The SIL2-capable GS01 uses the ISA100.11a wireless standard for wireless communication. A great benefit of this object-based standard is the possible embedding of foreign protocols, including the SIL3-certified safety protocol PROFIsafe. In combination with Dräger's patented SafeWireless™ communication concept for fast and secure transfer of measurement data, this enables easy integration of the GS01 into safety instrumented systems (SIS) with a fully SIL2-capable signal chain.
3. Battery lifespan of 2 years

## Dräger Polytron® 8900

The Dräger Polytron® 8900 UGLD transmitter is an early warning area monitor for detecting high-pressure gas leaks in outdoor industrial process environments. Thanks to an ultrasonic acoustic sensor, it responds earlier than conventional gas detectors because it registers the sound of leaking gas instead of measuring the concentration of accumulated gas clouds.

### Feature and Benefits



D-5541-2018

### Typical Application

1. Fast response: sonic detection <1sec.
2. The gas does not need to reach the sensor to be detected. Thus it is not affected by wind / weather conditions.
3. Comes with detection radius for wide area coverage with a single unit (from 5 up to 20 meter radius)
4. Robust technology, no wear & tear parts, little maintenance efforts



## Dräger Polytron® 6100

The Dräger Polytron 6100 EC WL is a wireless transmitter for continuous monitoring of toxic gases and oxygen. The intrinsically safe and SIL2-rated transmitter features completely wireless signal transmission and power supply. The internal battery pack allows the transmitter to operate continually for up to 24 months.

### Feature and Benefits



D-4653-2019

### Typical Application

1. The intrinsically safe design of the Polytron 6100 enables any maintenance, such as changing the batteries or sensors, in the explosion area. You do not need to take any additional measures, such as declassifying the area, therefore saving time and allowing all maintenance work to be completed safely. The per-calibrated DrägerSensors ensure quick commissioning and provide a broad range of measurable gases and vapors.
2. The SIL2-capable GS01 uses the ISA100.11a wireless standard for wireless communication. A great benefit of this object-based standard is the possible embedding of foreign protocols, including the SIL3-certified safety protocol PROFIsafe. In combination with Dräger's patented SafeWireless™ communication concept for fast and secure transfer of measurement data, this enables easy integration of the GS01 into safety instrumented systems (SIS) with a fully SIL2-capable signal chain.
3. Battery lifespan of 2 years