Fire and Gas Detection Systems

Dräger solutions provide accurate operation for long periods of time often without calibration or maintenance – even in the harshest environments. They offer easy upgrades, plant-wide view of safety systems and real-time view of individual sensors in control room and remote locations. Our portfolio can detect 400+ gases and vapors and offers visual and optical fire detection.
**COMBUSTIBLE GAS DETECTION TRANSMITTERS**

**Dräger Polytron® 5200 CAT**
Low-cost explosion proof transmitter with optional relays uses a high performance catalytic bead DQ sensor.

**Dräger Polytron® 5310 IR**
Low-cost explosion proof infrared transmitter with optional relays uses a DrägerSensor IR.

**Dräger Polytron® 5700 IR**
Explosion-proof transmitter with optional relays uses the high performance PIR 7000 sensor.

**Dräger Polytron® 5720 IR**
Explosion-proof transmitter with optional relays uses a high performance Dräger PIR 7200 CO$_2$ sensor.

**Dräger Polytron® 8200 CAT**
Explosion-proof transmitter with optional relays and bus communication uses a high performance catalytic bead DQ sensor.

**Dräger Polytron® 8310 IR**
Explosion-proof transmitter with optional relays and bus communication uses a DrägerSensor IR.

**Dräger Polytron® 8700 IR**
Explosion-proof transmitter with optional relays and bus communication uses a high performance Dräger PIR 7000 IR sensor.

**Dräger Polytron® 8720 IR**
Explosion-proof transmitter with optional relays and bus communication uses a high performance Dräger PIR 7200 CO$_2$ sensor.

**Dräger PIR 7000**
Explosion-proof non-display infrared transmitter with HART uses an advanced 4 beam optical system.

**Dräger GS01 (wireless)**
Wireless hydrocarbon gas detector that combines triple-wavelength infrared technology with extremely low power consumption, and calibration-free design.

**Dräger Pointgard® 2200**
Self-contained gas detection system for general purpose areas uses an integrated or remotely mounted catalytic bead DQ sensor.

**Dräger Pointgard 2700**
Self-contained gas detection system for general purpose areas uses a remotely mounted explosion proof Dräger PIR 7000 IR sensor.
TOXIC GAS DETECTION TRANSMITTERS

Dräger Polytron® 8100 EC
Explosion-proof transmitter with advanced diagnostics and bus communication uses a high performance DrägerSensor® EC

Dräger Polytron® 5100 EC
Low-cost explosion-proof transmitter with optional relays uses a high performance DrägerSensor® EC

Dräger Polytron® 7000 EC
Intrinsically safe transmitter with advanced diagnostics and optional relays and sampling pump uses a DrägerSensor® EC

Dräger Polytron® 6100 EC WL
Wireless ISA100 or WirelessHART transmitter with a 2 year battery life monitors toxic gases and oxygen using one of 30 available DrägerSensor® EC

Dräger Pointgard® 2100
Self-contained gas detection system for general purpose areas uses an integrated or remotely mounted DrägerSensor EC

Dräger Pointgard 2720
Self-contained gas detection system for general purpose areas uses a remotely mounted explosion proof Dräger PIR 7200 IR CO₂ sensor

Dräger PIR 7200
Explosion-proof non-display infrared transmitter for monitoring carbon dioxide (CO₂) for harsh environments

ION Science Falco PID
Explosion proof transmitter with a photoionization (PID) sensor for detecting VOCs such as benzene in ppm below the detection limits of IR and EC sensors

AREA MONITORING

Dräger Polytron® 8900 UGLD
An early warning area monitor for detecting pressurized gas leaks in outdoor industrial process environments

MetCam Gas Camera
A revolutionary new detector for monitoring large areas for fugitive emissions and dangerous leaks of methane / natural gas

Dräger Polytron Pulsar 7000
The Dräger Pulsar 7000 Series are stationary open path gas detectors
**FIRE AND GAS DETECTION SYSTEMS**

**COMMERCIAL BUILDING SYSTEMS**

**Refrigerant Transmitter**

Infrared sensor based analog transmitter available for common refrigerants such as R134a with a measuring range of 0-2000 ppm and detection limit of 50 ppm.

**Dräger Flame 1500**

Triple IR: three infrared sensors identify hydrocarbon-based fire events with exceptional sensitivity and extreme immunity to false alarms.

**Dräger Flame 1750**

Triple IR H2: triple IR flame detector designed for hydrogen based fire events with exceptional sensitivity and extreme immunity to false alarms. Will also detect hydrocarbon fires.

**Dräger Flame 3000**

An imaging-based IR flame detector using digital signal processing and advanced algorithms to identify flame characteristics.

**Dräger VarioGard® 2300 IR Ex**

Cost effective analog output transmitter for general purpose areas with an integrated infrared sensor for detecting methane or LPG from 0-100% LEL in ambient air.

**Dräger VarioGard® 2320 IR CO₂**

Cost effective analog output transmitter for general purpose areas with an integrated infrared sensor for detecting carbon dioxide from 0-5% Vol. in ambient air.

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**Dräger Flame 5000**

An explosion-proof flame detector based on advanced color imaging technology with real time video recording of events.

**CONTROLLERS**

**Dräger Regard 3000**

This compact and modular 4 channel controller with touch screen is based on the advanced Regard 7000. Features a halo ring alarm light and audible horn. Up to 8 relays and Modbus output available.

**Dräger REGARD® 3920**

A general purpose box controller with a capacity of 4 to 16 analog input channels and 8 to 16 discrete relays plus common relays. Optional analog output for each channel and Modbus.

**Dräger REGARD® 7000**

A modular and highly expandable analysis tool that’s suitable for gas warning systems with various levels of complexity and numbers of transmitters.

**Dräger REGARD® 7000F**

A truly integrated, performance-approved NFPA 72 fire signaling & gas detection system with all the functionality of both traditional fire panels & process safety PLCs.
Dräger Integrated System – REGARD® 7000-F Controller

The Regard 7000F is a UL864 (pending) performance-approved combination fire and gas system with the functions of a traditional NFPA 72 fire panel and a process safety PLC in a single platform. Multi-tasking and flexible, the menu-driven REGARD 7000F is an easily configurable solution that can be customized for all industrial fire and gas applications.
ACCESSORIES

Bias Box for 4 Sensors
Maintains up to 4 EC sensors in operational state to reduce warm up time after installation in transmitter to just a few minutes

Remote Alarm Station
Dräger provides various audio & visual notifications

Calibration Adapter
FKM rubber calibration adapter for all CatEx and EC DrägerSensors

Remote Calibration Adapter
Allows calibration of sensors in hard to reach places

Process Sampling Adapter
Analyze process streams with a PIR 7000 sample draw systems

EC Sensing Head Remote
Mount EC sensor up to 30 meters away from Polytron 5100/8100

Splashguard
An accessory to prevent dust and water from collecting on the toxic and combustible sensor

Vent Monitoring
A custom 2” vent line monitoring system to detect and record gas releases

Remote Sensor Junction Box
The explosion-proof junction box allows remote mounting of an IR or CatEx sensor up to 30 meters

Flow Cell for IR Sensor
Remotely calibrate Polytron 5700/8700 sensor inside a duct or remote location with tubing

Duct Mounting Kit
Monitor inside ventilation ducts. Rail system allows for easy sensor removal for preventive maintenance

Remote Alarm Station
Dräger provides various audio & visual notifications

Polytron Calibration Kit
Carrying case with zero gas cylinder, regulator and tubing and space for a span gas cylinder.

PSD 3000 Sampling Unit
Sampling pump for non-hazardous areas. Adjustable flow rate with a flow switch and LEDs

Dräger Polysafe Software
Windows software for managing all Dräger gas detection transmitters via HART®, IR® or Bluetooth®

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Carrying case with zero gas cylinder, regulator and tubing and space for a span gas cylinder.

Calibration Gases
Select from a large variety of certified cal gases designed for calibrating every sensor type

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Custom Systems

At Dräger, we create technology that fits your needs. Our Application Engineering Group takes your concept and makes it a reality. Our team of engineers are capable, timely and have a passion to see your project from the drawing board to your hands; combined, they have their CFSE (Certified Functional Safety Engineer), CFSP (Certified Fire Safety Professional), and PMP (Project Management Professional) certifications, and represent all relevant engineering disciplines (mechanical, electrical, software, chemical).

**EXAMPLE OF CUSTOMIZED SYSTEM: TWO STREAM LEL GAS SAMPLING SYSTEM**