Fire and Gas
Detection Systems

Dräger

Technology for Life

Dräger solutions provide accurate operation for long periods of time often without calibration or maintenance – even in harsh 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 Hydrogen LEL detection.

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 for hydrocarbon detection.

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® 3200
Self-contained gas detection system for general purpose areas uses an integrated or remotely mounted catalytic bead DQ sensor.

Dräger Pointgard 3700
Self-contained gas detection system for general purpose areas uses a remotely mounted explosion proof Dräger PIR 7000 IR sensor.

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.

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

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

Dräger Pointgard® 3100
Self-contained gas detection system for general purpose areas uses an integrated or remotely mounted DrägerSensor EC.

Dräger Pointgard 3720
Self-contained gas detection system for general purpose areas uses a remotely mounted explosion proof Dräger PIR 7200 IR CO_2 sensor.

Dräger PIR 7200
Explosion-proof non-display infrared transmitter for monitoring carbon dioxide (CO_2) for harsh environments.

Dräger Polytron® 8720 IR
Explosion-proof transmitter with optional relays and bus communication uses a high performance Dräger PIR 7200 CO_2 sensor.

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.

smartGAS 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 VarioGard® 2320 IR CO_2
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.

Dräger X-node Wireless System
LoRaWAN® based battery powered IoT monitors toxic gas, temperature, and humidity with analysis and recording via Bluetooth® and the X-node Hub mobile cloud.

Area Monitoring

Dräger Polytron® 8900 UGLD
An early warning area monitor for detecting pressurized gas leaks in outdoor industrial process environments for hydrocarbon detection in ppm and %LEL.

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.

Flame Detection

Dräger Flame 1350 (UV/IR)
Combines both UV and IR sensors to detect hydrocarbon-based fires. Both sensors need to see flame radiation simultaneously before it alarms.

Dräger Flame 1500 IR$_3$ & 1750 H$_2$
Triple IR flame detector designed for hydrocarbon and hydrogen (DF 1750) based fire events with exceptional sensitivity.

Dräger Flame 3000
An imaging-based visual flame detector using digital signal processing and advanced algorithms to identify flame characteristics. Extreme immunity to false alarms.

Dräger Flame 5000
An explosion-proof visual 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.
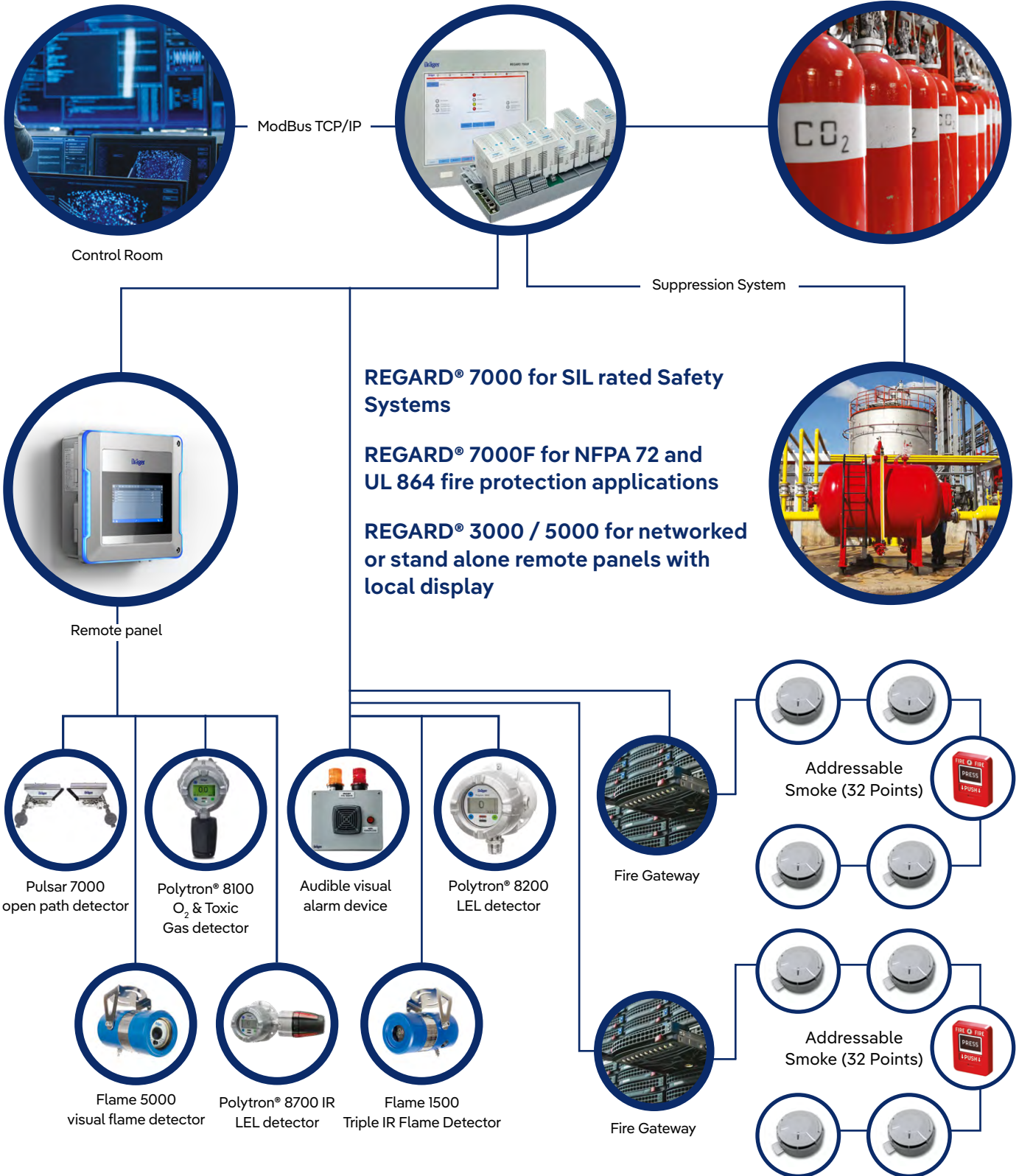

Dräger REGARD® 7000
A modular and highly expandable analysis tool that's suitable for gas warning systems with various levels of complexity and numbers of transmitters.

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® Family Controllers

REGARD® 7000 (F)

ModBus TCP/IP

Control Room

Suppression System

REGARD® 7000 for SIL rated Safety Systems

REGARD® 7000F for NFPA 72 and UL 864 fire protection applications

REGARD® 3000 / 5000 for networked or stand alone remote panels with local display

Remote panel

Pulsar 7000 open path detector

Polytron® 8100 O_2 & Toxic Gas detector

Audible visual alarm device

Polytron® 8200 LEL detector

Fire Gateway

Addressable Smoke (32 Points)

Flame 5000 visual flame detector

Polytron® 8700 IR LEL detector

Flame 1500 Triple IR Flame Detector

Fire Gateway

Addressable Smoke (32 Points)

Accessories

D-2514-2018

ST-5676-2006

ST-5679-2006

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
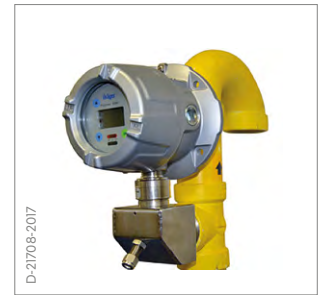Allows calibration of sensors in hard to reach places.

D-16964-2014

D-15050-2010

D-85368-2013

D-21708-2017

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.

D-21369-2020

D-12212-2014

ST-8857-2005

D-85362-2013

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.

Pole Mounting Kit
Attach Polytron 5000/8000 series to a pole or pipe using clamps (not included).

D-4316-2019

D-5554-2018

ST-9370-2007

ST-748-2006

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

Polytron Calibration Kit
Basic calibration kit with zero gas cylinder and space for a span gas cylinder. Includes all the needed accesories in a convenient carrying case.

Calibration Gases
Select from a large variety of certified cal gases designed for calibrating every sensor type.
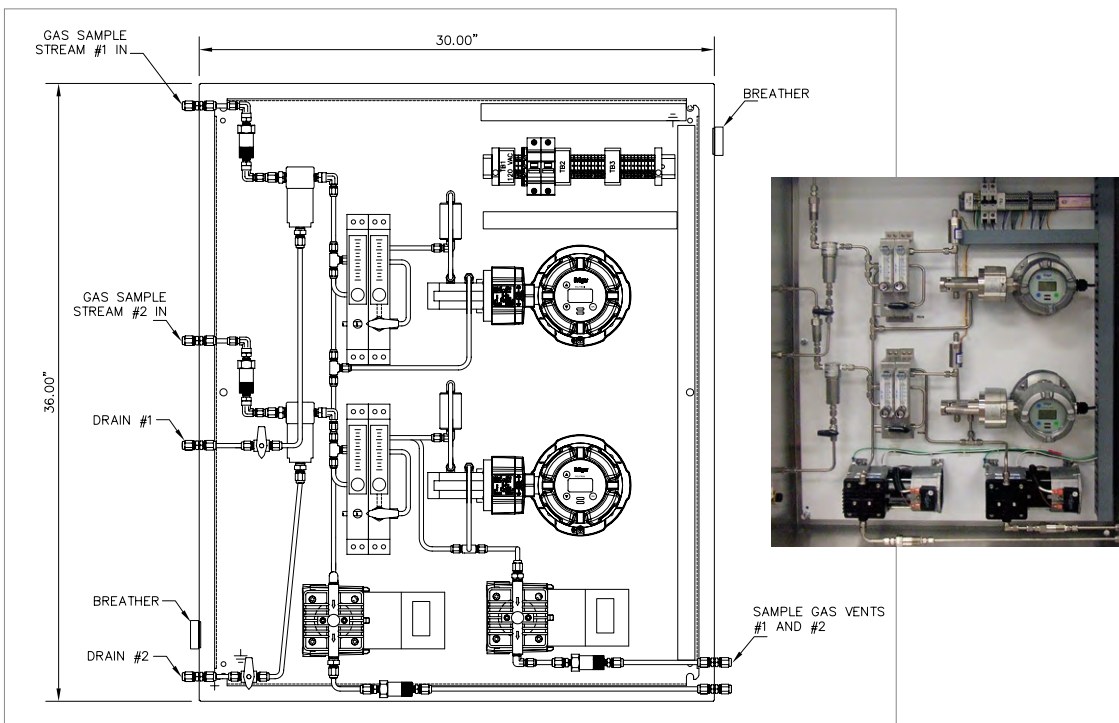
PSD 3000 Sampling Unit
Sampling pump for non-hazardous areas. Adjustable flow rate with a flow switch and LEDs.

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).

Exapmple of customized system: Two stream LEL Gas Sampling System

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