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Ижевск (3412)26-03-58
Казань (843)206-01-48
Калининград (4012)72-03-81
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Киров (8332)68-02-04
Краснодар (861)203-40-90
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Курск (4712)77-13-04
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Москва (495)268-04-70
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Нижний Новгород (831)429-08-12
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Омск (3812)21-46-40
Орел (4862)44-53-42
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Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
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Сургут (3462)77-98-35
Тверь (4822)63-31-35
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Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
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СТАЦИОНАРНЫЕ ДАТЧИКИ ГАЗА DETCON

Технические характеристики

Detcon Model Series 700 Gas Detectors

"Environmentally Bulletproof"
- Water-Proof
- Corrosion-Proof
- Vibration-Proof
- Multi-Layer Surge Protection
- Pre-emptive Fault Diagnostics

Detcon Model Series 700 industrial gas detectors are a new generation of intelligent sensor modules that incorporate and integrate several leading edge improvements. The sensors are specifically designed for harsh and extreme locations. This new and superior level of environmental durability in sensor design includes an electropolished 316 stainless steel housing, multi-layered transient spike protection circuitry and 100% encapsulated electronics. The sensor electronics are completely protected and immune to water ingress and corrosion. The sensor elements are all plug-in components and can easily be replaced in the field. Operator interface is non-intrusive via a small handheld magnet. Configuration and routine calibration is intuitive and menu driven with fully scripted instructions. Sensor status is displayed on a built-in alphanumeric LED display. Model Series 700 intelligent sensor modules feature dual redundant outputs, a linear 4-20 milliamp analog signal and a Modbus RS-485 serial output.

Electrical Classification (FP, TP, IR Series)
Class I, Div 1, Groups B, C, D; Class I, Zone 1, Group IIB+H2 (ATEX)

Electrical Classification (DM, O2, PI Series)
Class I, Div 1, Groups A, B, C, D; Class I, Zone 1, Group IIC (ATEX)

Safety Approvals
CSA/NRTL (US OSHA Certified)
ATEX
SIL2

Integration Solutions Include:
- Remote Control/Alarm Relay Module
- Hart Module
- Foundation Fieldbus Module
- Wireless Interface Module

Detcon MicroSafe™ Gas Detectors

"Intuitive Diagnostic Intelligence"
- Intuitive Non-intrusive Operator Interface
- Modular Plug & Play Sensors & Transmitters
- Simple Menu-driven Calibration & Programming
- Integral Sensor Fault Diagnostics

Two Models to Choose From
- Model 500: 4-20mA
- Model 600: 4-20mA, Modbus RTU, Alarm Relays

TP   FP   IR   DM   O2

Detcon MicroSafe™ Series intelligent gas detectors feature Detcon's MicroSafe™ intuitive software. Operator interface is non-intrusive using a hand-held magnet and program switches accessed through a glass lens cover. Calibration instructions appear in simple interactive and sequential script on a 16-character backlit alphanumeric display. The transmitter design incorporates extensive fault diagnostics with each condition conveniently identified on the transmitter display. The gas detector sensor elements and transmitters are plug-in components and can easily be replaced in the field.

Model Series 500 comes standard with a linear 4-20 mA output, one-man remote calibration, self-adjusting zero and span, and LED indicators for fault and calibration status.

Model Series 600 includes the same features as the 500 with the addition of 3

Electrical Classification - Explosion proof
Class I, Div 1, Groups B, C, D

Safety Approvals
cCSAus/NRTL (US OSHA Certified)
ATEX (TP Series Solid State H2S only)

Detcon Model 100 Gas Detectors

"Simple, Affordable, Durable"

- 2-Wire Loop Powered
- Wide Range of Toxic Sensors + Oxygen
- XP-Intrinsically Safe design
- Non-Intrusive Interface
- 4-20 Milliamp Output
- Class I, Division 1, Groups B,C,D
- Integral Sensor Fault Diagnostics
- Fully encapsulated electronics

Detcon Model 100 Series gas detectors feature intelligent electronics, non-intrusive operator interface and comprehensive fault diagnostics. The sensor is packaged in an electro-polished 316 stainless steel housing fitted with a ¾ inch NPT thread. The plug-in, field replaceable sensor features large surface area gold-plated pins that reduce the effects of corrosion in harsh industrial environments. Signal conditioning electronics are completely encapsulated in the sensor housing adding a high level of durability to the design. The packaging is Explosion Proof (Class I, Div. 1 Groups B, C, D). Model 100 is equipped with a standard analog 4-20 mA current signal equivalent to the sensor range of detection. Upper enclosure options are aluminum and stainless steel (includes a transient protection terminal board). Additional accessories include wireless communications, a loop powered digital display, Remote Alarm Module (RAM), HART, and a current to RS-485 converter. The standard serial converter is Modbus RTU. Each sensor is shipped with a splash guard with integral calibration port.

Model DM-100 provides a wide range of toxic gas sensors and oxygen that uses electrochemical technology.

Electrical Classification
NEMA 4X Class 1, Div. 1, Groups B, C, & D

Safety Approvals
cCSAus/NRTL (US OSHA Certified)
ATEX
CE Marking

MultiFlame Flame Detectors

- Continuous auto-check of optical lens
- Selectable sensitivity and time delays
- Wireless detector configuration and testing using TLU
- HART® output option available

Two Models to Choose From
- DF-TV7-T: Multi-spectrum IR Flame Detector (3 wavelengths)
- DF-TV7-V: Multi-spectrum UV/2IR Flame Detector (UV + dual IR)

Model DF-TV7-T

Model DF-TV7-V

The MultiFlame DF-TV7-T is a multi-spectrum infrared flame detector using three wavelengths to respond to hydrocarbon fires and is the right choice for operation in dirty environments or for detection of smoky fires. The MultiFlame DF-TV7-V is a combined ultraviolet/infrared flame detector offering excellent long range detection. Both maintain outstanding false alarm immunity and are configurable using a hazardous area approved wireless hand held terminal (TLU). Model DF-TV7-T is suitable for use in SIL3 applications while Model DF-TV7-V is suitable for use in SIL2 applications.

Electrical Classification
II 2 G Ex d II C T6 Gb (-40°C to +65°C)

GD10L Open Path Infrared Hydrocarbon Detector

Safety Approvals
SIL 3 (DF-TV7-T)

SIL 2 (DF TV7-V)
ATEX
CE Marking (pending)

- Enhanced coverage requires fewer devices
- Ultra stable & long life solid state IR sources
- Heated retro reflector minimises icing and condensation
- Path lengths from 6.5 to 100 feet

The GD10L provides an effective response to the detection of gas hazards in a wide range of industrial environments from boiler plant rooms to offshore petrochemical installations.

Electrical Classification
ATEX 2 II G EExde IIC T6 (-40°C to +65°C)

Safety Approvals
ATEX

GD1 Laser Open Path H2S Gas Detector

Fastest Possible Speed of Response

- No sensor recalibration or replacement
- Superior detector stability and specificity
- Suitable for use in SIL 2 systems

The GD1 sets a new standard for toxic gas detection. Using a tuneable laser diode the GD1 delivers enhanced coverage and fail safe detection. The performance improvement marks a genuine step change for safety systems and life cycle cost savings. At the heart of the detector is a tuneable laser diode that eliminates environmental effects from sun, rain and fog. The laser scans single absorption lines where there is no interference from other gases. Unlike traditional methods for detecting H2S (MOS or EC cell) the GD1 needs no recalibration and can replace multiple standard detectors to cover the same risk.

Electrical Classification
Ex II 2 G Ex e IIC T4/T5/T6

Safety Approvals
ATEX
SIL

GD10 Series IR Point Gas Detectors

- Fast Reliable Response
- No Field Recalibration
- Solid State IR-Source

response. The GD10P has set the standard for gas detection in the areas of safety, stability and low maintence. The GD10 differs from all other point infrared gas detectors, because it utilises silicon based solid-state sources. The complete optomechanical design and constructions is so stable that an ultra fast speed of response can be achieved whilst providing unparalleled service life and detector stability, thus saving on maintenance and service costs. The GD10 offers the longest combined detector and IR source warranty on the market. And is supplied with worldwide hazardous area approvals. Suitable for use in SIL 2 systems. An industry standard HART interface is used for configuration of special fault levels as well as access to extended maintenance data.

Electrical Classification
EExd IIC T6

Safety Approvals
ATEX
CSA
INMETRO
ABS
SIL

iTrans 2 Fixed Gas Detector

Detects Explosive Gas, Toxic Gas, or Oxygen

- Non-Intrusive Calibration
- Smart Infrared Gas Sensors
- HART Communication Protocol
- MODBUS Communication
- Programmable Relays
- Dual Gas Sensing

Remote Diagnostics, Set-up or Calibration The iTrans 2 fixed gas detector employs an intelligent electronics platform to provide one or two points of detection from a single head for maximum flexibility, superior performance and lower installation costs. With the optional HART Communication Protocol, the iTrans 2 offers remote diagnostics, set-up or calibration by superimposing a high-frequency current across the industry standard 4-20mA analog line.

Smart Infrared Gas Sensor Technology and Safety Features
Able to detect any combination of gases for a specific environment, iTrans 2 utilizes our industry-proven "smart" infrared gas sensor technology and safety features including automatic sensor recognition, access code security, and zero and cal fault protection – all enclosed within an explosion-proof aluminum or stainless steel housing. The microprocessor-controlled transmitters are capable of independent operation or multi-point system configuration. The infrared sensor provides explosive gas detection (methane, butane, propane, ethylene, hexane, etc.) in more severe environmental conditions, where the presence of poisons could harm the use of a catalytic cell. In addition to the LEL sensor range, the iTrans 2 detector can also be configured with a 0-100% volume methane infrared sensor for bio-gas applications and CO_2 infrared sensors ranging from 0.5% volume to 100% volume.

Stand-Alone Operation
With optional on-board relays, this fixed gas detector has the added ability of stand-alone operation, activating alarms, horns, or fans and can also shut down a system without the need to wire back to a central control panel.

Safety Approvals
CSA NRTLc
ATEX (pending)
IEC (pending)

DG Series Gas Detectors

Backlit Display

- Flexible Configuration
- Reduced Maintenance
- Local Display

The DG Series gas detectors are constructed from a common housing and consist of the MultiTox Electrochemical for toxic gases, the MultiXplo Catalytic for flammable gases and the MultiTox Solid State MOS for hydrogen sulfide. The intelligent, microprocessor driven unit is fully configurable using a wireless handheld terminal (TLU) or optionally via HART giving true flexibility to the installer. Parameters such as relay operation and alarm levels are all set via the TLU, hazardous area approved handheld unit.

Electrical Classification
ll 2 G Ex d IIC T6 Gb (-40°C to +65°C)