TELEDYNE
GAS AND FLAME DETECTION
Everywhereyoulook™











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North America Region

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Protecting lives, that's our business.

With the combination of Detcon, Oldham, Simtronics and GMI, Teledyne has become one of the largest manufacturers of gas and flame detection products. These global brands bring together more than 100 years of industry experience across a wide range of innovative gas and flame detection solutions. This adds significant adjacent strength to the Instrumentation Division of Teledyne a leading provider of sophisticated instrumentation, digital imaging products and software, aerospace and defense electronics, and engineered systems, providing a broader array of safety products and solutions, enhancing our relevance to customers worldwide.

Every customer scenario demands a different, customized approach, and Teledyne applies expertise in building the right plan for the right hazards every time. Our complete portfolio and industry-leading solutions offer expert perspective and quality products you can rely on in the most critical situations. When it comes to superior value, efficacy, efficiency and service, the gas and flame detection team from Teledyne delivers like no one else.

Teledyne uses its global capability, manufacturing excellence and custom engineering to provide end-to-end gas and flame detection solutions for a wide range of hazards worldwide. With an industry-leading, comprehensive portfolio of products and services, our commitment to cross-platform integration provides protection for today and confidence for tomorrow.

Our products are sold through a world class system of knowledgeable distributors, manufacturers' representatives and sales subsidiaries. Our customer commitment does not stop at product delivery but encompasses ongoing services. From custom-designed solutions to unmatched technical support, our gas and flame detection solutions are backed by expert judgment and premier technology that you can trust.

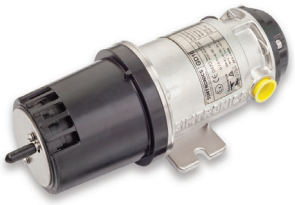
GD10P Series

IR Point Gas Detector



- No Field Recalibration Required
- SIL2 Certified, SIL3 Capable and Standard HART Interface

GD10P is a sophisticated infrared point gas detector that provides quick, accurate detection for a wide range of applications. Advanced design includes two solid-state IR sources that require no calibration or servicing during the product lifetime. Stable opto-mechanics provide an ultra fast speed of response (T90 < 2s). Unparalleled life, 15-year warranty (IR source) and savings on maintenance.



Gases Detected: Combustible • CO_2
Sensor Technologies: Solid state infrared
Power In/Output: 18-32VDC/ 4-20 mA, HART
Approvals: ATEX • CE • IECEx • CSA • SIL2 • INMETRO • ABS • UL Div 1

GD10P Display & Relay Module

Display Module

- TUniversal gas detector display
- Alarm conditions are indicated by the backlight changing color.

The Display Module is a universal gas detector display for Teledyne Gas and Flame Detection devices with a 4-20 mA output. The high-resolution LCD display has three alternative display screens. The first screen shows the current measured concentration, target gas and engineering units. The second screen also has a concentration bar graph with alarm set points, as well as an alphanumeric location ID. On the third alternative screen, the display can show a trend graph of the most recent 30-minute history.



Output: 4-20mA / 24VDC
Display: 2.1" x 1.2" (54x31 mm) 128x64 pixel color backlit LCD display
Power Supply: 10-30 VDC at < 6.5 watts with relay board (all relays energized)
Approvals: CSA Class 1 Div 1

Meridian

Universal Fixed Gas Detector



- One Universal Product for Toxic and Combustible Applications

Meridian offers a single detector head that supports hot-swappable combustible and toxic sensors resulting in a true plug and play functionality. It can also have up to 3 toxic and oxygen heads allowing the detection of multiple gases. Its modular design reduces maintenance time and costs and allows easy integration into existing infrastructures. Advanced industry-standard communications protocols offer detailed diagnostics for preventative maintenance.

Gases Detected: NH_3 • Br_2 • CO • ClO_2 • Cl_2 • F_2 • HCl • HF • HCN • H_2 • H_2S • NO_2 • O_2 • O_3 • SiH_4 • SO_2 • Combustible
Sensor Technologies: Electrochemical • Catalytic
Power In/Output (2-wire): 18-30VDC/ 4-20 mA
Power In/Output (3/4-wire): 10-30VDC/4-20 mA , RS 485 Modbus, four integrated relays, (optional) HART
Approvals: ATEX • CE • IECEx • cCSAus • INMETRO

Model 700

Environmentally Bulletproof Gas Detector



- Specifically Designed for Harsh Environments and Extreme Locations
- Water, Corrosion, and Vibration Resistant

Model 700 fixed gas detectors feature a proven and robust design that 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. Sensor elements are plug-in components and can easily be replaced in the field.

Gases Detected: C_2H_2 • NH_3 • AsH_3 • Br_2 • C_4H_6 • CO • Cl_2 • ClO_2 • B_2H_6 • C_2H_5OH • C_2H_4 • CH_2OCH_2 • F_2 • CH_2O • GeH_4 • H_2 • HBr • HCl • HCN • HF • H_2S • CH_3OH • CH_3SH • NO • NO_2 • O_3 • PH_3 • SO_2 • Combustible • O_2 • CO_2 • VOCs
Sensor Technologies: Electrochemical • Catalytic • Infrared • MOS • Photo ionization
Power In/Output: 11.5-28VDC/ 4-20 mA, RS485 Modbus RTU, optional relays and HART
Approvals: ATEX • CE • cCSAus • SIL2 • INMETRO • IECEX

iTrans 2

Gas Detector with many Configuration Possibilities



- On-Board or Remotely Mounted Sensors
- Single or Dual Sensor Capability
- Rugged weather-proof aluminum or stainless-steel enclosures

With its flexible state-of-the-art design, the iTrans-2 can be configured to meet the specific requirements of nearly any gas detection application. The rugged weather-proof enclosure is available in either aluminum or stainless-steel construction. Able to operate one or two sensors simultaneously, both sensors can be configured either on-board the base transmitter or remotely mounted. The measuring range of the sensors can be adjusted to provide the precision or resolution needed for the task at hand. Further customization is possible with on-board alarm relays and Modbus or Hart digital communications.

Gaz Detected: Combustible Gases (LEL) • O_2 • H_2S • CO • CO_2 • Cl_2 • ClO_2 • HCL • HCN • H_2 • NH_3 • NO NO_2 • PH_3 • SO_2
Sensor Technologies: Electrochemical • Catalytic Oxidation • Infrared (IR)
Signal Output: Standard; 4-20 mA and RS485 Modbus RTU / Optional; Relays and HART Communications
Approvals: CSA Class I • Division 1 • Groups B-D (except CL_2, ClO_2, HCL & NH_3: Class I, Div. 2, Grps. A-D)
ATEX and other international approvals available

The iTrans-2 Stand Alone performs all the same functions but includes a combination audible and visual alarm mounted directly to the transmitter housing. The optional plug-in power supply allows this unit to be operated as a completely independent system.

iTrans-2 Stand-Alone

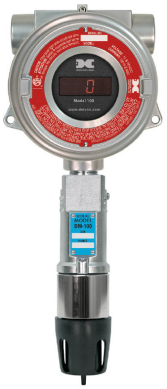


iTrans-2 with two remote sensors



Model 100

Toxic Gas Detector



- Specifically Designed for Harsh Environments and Extreme Locations
- 2 - Wire Loop Powered in XP-Intrinsically Safe Housing

Model DM-100 gas detector provides provide a 2-wire loop powered 4-20 mA current signal which is equivalent to the sensor range of detection. Accessories include a loop powered digital display. Upper display enclosure options are aluminum and stainless steel. The Model 100 has intrinsically safe electronics combined with an explosion proof housing which allows replacement of sensors without powering down the transmitter. Each gas detector is shipped with a splash guard with integral calibration port. Detcon's electrochemical gas sensors are available for a wide variety of toxic gases in addition to oxygen.

Gases Detected: NH_3 • AsH_3 • Br_2 • C_4H_6 • CO • Cl_2 • ClO_2 • B_2H_6 • C_2H_5OH • C_2H_4 • CH_2OCH_2 • F_2 • CH_2O • GeH_4 • H_2 • HBr • HCl • HCN • HF • H_2S • CH_3OH • CH_3SH • NO • NO_2 • O_3 • PH_3 • SO_2 • O_2
Sensor Technologies: Electrochemical
Power In/Output: 11-30VDC/ 4-20 mA
Approvals: cCSAus

OLCT 100

Combustible Gas, Toxic Gas, and Oxygen Detectors for Hazard Rated Applications



- Optional long-life O_2 sensor (5 years)
- SIL 2 certified for: LEL, O_2
- Optional stainless-steel enclosure

The OLCT 100 is designed for applications in hazardous rated areas requiring an explosion-proof enclosure. The wide range of available sensors allows the OLCT 100 to detect combustible gases, numerous toxic gases, and oxygen. The analog 4-20 mA signal can be connected to the MX 16/32/43 for control and alarm functions. The MX 16/32/43 come with Oldham's MX Smart Calibration function which allows for non-intrusive calibration of the OLCT 100 gas detectors.

Gases Detected: Combustible Gases (LEL), AsH_3, Cl_2, ClO_2, CO, CO_2, $COCl_2$, DMS, EtO, F_2, H_2, H_2S, HCl, HCN, HF, NH_3, N_2H_4, NO, NO_2, O_2, O_3, PH_3, SF_6, SiH_4, SO_2, mercaptans, refrigerant gases, and various solvents
Sensor Technologies: Catalytic Oxidation, Electrochemical, Infrared (IR), Semiconductor and MEMS.
Signal Output: 4-20 mA
Approvals: CSA (pending) • SIL 2 (for selected gases) • ATEX and other international approvals available

CTX 300

Toxic Gas and Oxygen Detector for Industrial Applications



- Integral backlit LCD display and non-display versions available
- Polycarbonate enclosure withstands harsh industrial environments
- Optional long-life O_2 sensor (5 years)
- Optional low temperature versions (-40 C°/F°) for CO_2, NH_3, & O_2

CTX 300 is available with a wide range of sensors to detect numerous toxic gases and oxygen. This simple gas detector has no complicated menus and requires no special tools for operation and maintenance. The analog 4-20 mA signal can be connected to the MX 16/32/43 for control and alarm functions. When connected to the MX 16/32/43, the Smart Calibration function means no special tools are required, only the span and zero gases.

Gases Detected: AsH_3 • Cl_2 • ClO_2 • CO • CO_2 • EtO • F_2 • H_2 • H_2S • HCl • HCN HF • NH_3 • NO • NO_2 • O_2 • O_3 • PH_3 • SiH_4 • SO_2 • refrigerant gases • various solvents and others
Sensor Technologies: Electrochemical • Infrared (IR) • Semiconductor
Power In/Output: 15-32 VDC/ 4-20mA
Approvals: CSA for non-hazardous areas

OLCT 10N

Combustible Gas, Toxic Gas, and Oxygen Detectors for Light Industry Applications



- Modbus serial connection saves on wiring and installation costs
- Optional long-life O_2 sensor (5 years)
- Rugged polyamide enclosure

The digital signal transmission allows multiple OLCT 10N gas detectors to be wired in series thus drastically reducing the wiring and installation costs. The available toxic and combustible gases detected are found in many light industry or commercial operations. The OLCT 10N detectors are designed exclusively for use with the Oldham MX 16/32/43 Controllers which come with the MX Smart Calibration function that allows for non-intrusive, one-person, calibration of the sensors.

Gases Detected: Combustible Gases (LEL), O_2, CO, CO_2, H_2S, NH_3, NO & NO_2
Sensor Technologies: Catalytic Oxidation, Electrochemical, and Infrared (IR)
Signal Output: RS-485 Modbus RTU
Approvals: designed or non-hazardous areas • ATEX and other international approvals available

OLCT 10

Gas Detectors for Ventilation Control Applications



- Rugged polyamide enclosure
- Industry standard 4-20 mA signal output

The OLCT 10 is designed for gas detection applications in boiler rooms, air conditioning compressor rooms, or areas that need to abate vehicle traffic exhaust. The analog 4-20 mA signal can be connected to the MX 16/32/43 for control and alarm functions. The MX 16/32/43 come with Oldham's MX Smart Calibration function that allows for non-intrusive, one-person calibration of the OLCT 10 gas detectors.

Gases Detected: Combustible Gases (LEL), CO, NO, NO_2, and refrigerant gases
Sensor Technologies: Catalytic Oxidation, Electrochemical, and Semiconductor
Signal Output: 4-20 mA
Approvals: designed for non-hazardous areas • ATEX and other international approvals available

Quasar 900 SafeEye

Open Path Infrared to detect combustible gases

- Detection range up to 200 meters
- Heated optics

The SafeEye detector comprises an infrared transmitter and a receiver separated by 4 to 200 meters, meaning it can replace up to 20 point detectors. With IP66/68 certification, heated optics and a stainless steel construction, the Spyglass was designed to operate in harsh environments, and can handle up to 90% signal attenuation caused by dust, fog, rain, snow, or vibrations. SIL2-certified, the Spyglass has a HART-compatible analog output, a RS485 output and built-in relays, as well as a 3-year warranty.

Gases Detected: Combustible
Technology: Infrared
Power In/Output: 18-32 VDC
Output: 4-20 mA, HART, RS485 Modbus RTU
Certifications: CE • ATEX • IECEx • FM • SIL2



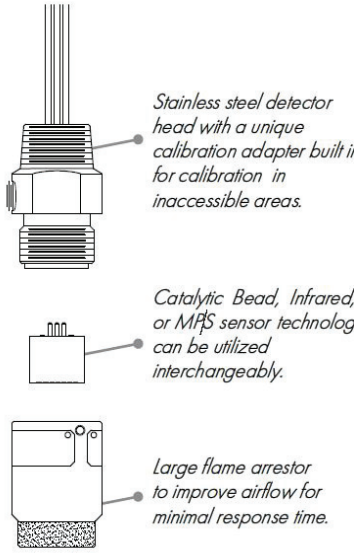
Freedom Direct

Bridge Input Sensor

- Robust sensor for combustibles and carbon dioxide
- Interchangeable Catalytic Bead, Infrared (MPS pending)
- Small Size - Ideal for Applications in Enclosures

Freedom Direct is designed as a simple, robust platform for detection of combustible gases or carbon dioxide. Interchangeable catalytic bead, infrared, and MPS sensors give flexibility to pick the right sensor for the application. Works with the 7000+ and 8000 series controllers.

Gases Detected: LEL • CO_2
Power In/Output: Connects to 7200+/7400+/8800/8864 Bridge Input
Signal Output: Wheatstone Bridge
Approvals: cULus Class I, Division 1, Groups A-D



Spyglass™ SG50-F Series

IR3, UV-IR, UV-IR-F, IR3-H2

- Industry Leading Features
- Optional Color or Near-Infrared Video

The Spyglass™ line of flame detectors provide top line performance at an affordable cost. Features include a rugged, durable stainless steel housing for use in hazardous locations. Superior optical sensors and algorithms allow reliable detection without false alarms. Optional color and near-infrared high
definition video allows remote confirmation of fire situations, as well as after fire evaluation of fire sources and suppression system efficiency. Accessories include ATEX approved flame simulators to supplement the built-in-test (BIT) capability of the detectors.

Types of Flame Detected: Hydrocarbon • Hydrogen • Silane • Ammonia • other Alternate Energy/Energy Transition fires • Metal fires • Sparks/Arcs
Sensor Technologies: Combined UV/IR • Triple IR

Spyglass™ SG50-F-IR3 (V)

Triple-IR Hydrocarbon Detector



The SG50-F-IR3 flame detectors offers industry leading detection of hydrocarbon fires. Features include CO2L mode for detection of fuel fires near CO2 exhaust sources such as airport hangars, helipads, and truck loading stations. NFPA33 mode is also available for fast response (0.5sec) for fast moving fires such as tunnels and conveyor belts.

Types of Flame Detected: Hydrocarbons • Gasoline • Jet Fuel • Natural Gas • Propane
Sensor Technology: Triple IR (4.5µm)

Spyglass™ SG50-UV-IR/UV-IR-F (V)

Ultra Violet Flame Detector

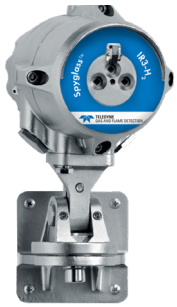


The SG50-F-UV-IR (V) and SG50-F-UV-IR-F (V) flame detectors offer a wide range of fire detection for difficult to detect fires such as munitions, arcs & sparks (such as are found in industrial windmills), metal fires, as well as hydrocarbons, hydrogen, ammonia, and silane. UV-IR technology is used for nonhydrocarbon fire types and UV-IR-F is used for hydrocarbon fires.

Types of Flame Detected: Munitions • Arcs/Sparks • Hydrogen • Natural Gas • Ammonia
Sensor Technology: UV-IR (2.8µm) & UV-IR-F (4.5µm)

Spyglass™ SG50-F-IR3-H2 (V)

Triple-IR Hydrogen/Energy Transition Fuels Detector



The SG50-F-IR3-H2 flame detector is the top choice for energy transition fires from alternate energy fuels such as hydrogen and hydrogen/natural gas blends. It is also capable of detecting non-hydrocarbon fires such as ammonia and silane. IR3 technology has superior distance and false alarm rejection making it the first choice for many applications.

Types of Flame Detected: Hydrogen • Hydrogen/Methane • Ammonia • Silane
Sensor Technology: Triple IR (2.8µm)

All Spyglass™ Flame Detectors Include:

Output: 0-20mA, HART®, RS-485 MODBUS, Relays, Video (optional)
Approvals: ATEX • FMus/FMc • IECEx • UKEX • SIL2

Model X40

Integrated Alarm and Control System



- 8 or 32 Channel Capacity
- Wired or Distributed I/O and SmartWireless Capable

Model X40 is designed to monitor gas detection sensors and a wide range of other field devices. It functions as a Modbus™ master and can be expanded based on application needs using Detcon's stackable I/O modules. The X40 is field programmable using a small handheld magnet and includes extensive event data logging.

Input/Output: RS-485 Modbus RTU, 4-20 mA, relays, wireless option
Power In: 11.5-30 VDC, 115-230 VAC 0ption
Classification Options: NEMA 1 panel mount, NEMA 4X fiberglass or stainless steel, NEMA7
Approvals: CE Marking (Models X40-N4X & X40-SS) • cTUVus for non-hazardous areas

MX 16

One channel control unit with display

- Analog or digital
- Low cost and easy to assemble
- 1 measurement line / 1 detector maximum
- Integrated relays



Specially designed for applications in MRI rooms, laboratories, storage, small boiler rooms, breweries, and battery charging rooms. The MX16 measurement unit prevents the risks of explosion linked to the presence of toxic, oxygen deficient, and explosive gases in the ambiant air. Small size, ease of installation and use are the main advantages for the facility. Used with the OLCT 10N O_2 and CO_2 digital sensor series or any other analog O_2, CO_2, CH_4, GPL and H_2 sensor, the MX16 guarantees you a solution that complies with European standards.

Input: 4-20 mA, digital, EASY DUO version
Power supply : 100-240Vca 50-60Hz (35W)
Indicators : integrated audio and visual alarms
Certifications : CE

Easy Duo Package

Complete Gas Detection in One



- Ideal for Laboratory, Light Industrial, and Commercial Applications
- Includes Sensor, Display and Alarm functions in one package
- Large custom graphic display

The wall mountable MX16 includes large LCD display that provides all the information you need to know in one place. Audible, visual and graphic alarm indicators are standard equipment. The Easy Duo package includes 30 ft. of interconnecting cable so the OLCT-10N Gas Detector can be placed where it is most likely to detect gas while the MX16 alarm panel can placed in an area that will alert those who need to know an alarm condition. The simplified calibration procedure requires no volt meters, potentiometers or navigating complex menus. This is a popular choice for laboratories, hospitals, food and beverage industry and many other applications.

Gases Detected: CH_4, O_2 and CO_2
Power Requirements: 24 VDC or 120 VAC
Alarms: Built-in audible (buzzer) and visual (LED) alarms / Optional horn and strobe
Signal Output: Standard, 2 Alarm + 1 fault relay / Optional, RS-485
Approvals: Designed for non-hazardous areas

MX 32

Single or Dual Channel Gas Detection Controller



- Accepts 1 or 2 analog or up to 8 digital signals from remotely mounted gas detectors
- Large LCD display of one or more channels
- 4 Programmable alarm relays for activating alarms or external devices and 1 fault relay
- STEL and TWA display and alarms
- On-board datalogging and trend graph

The MX 32 Controller processes signals from remotely mounted gas detectors and provides display and alarm indications for these sensing devices. The high-resolution graphic display shows the measured gas concentration, detector location ID, and current alarm status of the gas detectors. The display can show multiple channels or only one channel with additional detailed information. The MX 32 comes standard with audible, visual, and graphic alarm indicators. On-board relays can activate external audible and visual alarms and activate or signal other related devices based on the measured gas values.

Programming keys on the front panel are used in conjunction with a plain language menu that guides you through operating parameter customization. The included software can also be used to set up the controller, activate STEL and TWA display and alarms, and to manage advanced alarm logic programming. Options include controller mounted alarm light and horn, a digital signal output, and expansion input/output modules for added capacity and flexibility.

Input/Output: 4-20 mA, RS-485 Modbus RTU, relays
Power In: 22-28 VDC, 110-230 VAC
Classification Options: NEMA 1 panel mount or rack mount • NEMA 4X fiberglass or stainless steel • CE • FM for non-hazardous areas (NEMA 4X only)

MX 43

Four or Eight Channel Gas Detection Controller



- Accepts 4 or 8 analog or up to 32 digital signals from remotely mounted gas detectors
- Audible, visual, and graphic alarm indicators
- Optional battery-back-up and USB datalogging modules

The extremely versatile MX 43 Controller can accept analog and/or digital signals from up to 32 gas detectors. The multi-color LED indicator array on the front panel provides a quick and concise overview of the gas detection status. The large, custom LCD display can show concentrations from up to 16 channels at once, or one channel with additional information and graphics. Using the provided COM43 controller management software, advanced alarm functions like STEL and TWA, activation delay timers, alarm zoning, and activation logic control functions are made easy. Controller information and test functions, gas detector calibration and maintenance, and datalogger information viewing can be accessed through the password protected function buttons on the front panel.

Inputs: 4-20 mA / Modbus (AirAware , OLCT 10N & iTrans-2)
Outputs: Standard; 5 Alarm + 1 Fault relay / Optional; 4-20 mA, RS485 Modbus RTU, and/or additional relays
Power Supply: 100 to 240 VAC or 22 to 28 VDC / Optional on-board battery back-up
Alarms: Built-in audible (buzzer) and visual (LED) alarms / Optional Strobe and Audible Alarm (shown in above picture)
Approvals: FM & CSA for non-hazardous areas • SIL1 • other international approvals available

Model 7200+/7400+

Display and Alarm Controllers

- Flexible2 or 4 Channel Controller
- Accepts 4-20mA, RS-485 Modbus RTU or Direct Connect Sensors

The 7200 Plus and 7400 Plus Controllers are designed to provide simultaneous display and alarm functions for up to four monitored variables.A graphic LCD displays monitored data as bar graphs and engineering units. Three adjustable alarm levels are provided per channel. Relay outputs allow control of beacons, horns and other alarm events. The controllers are easy to configure and user friendly. Other options include six 5 amp SPDT discrete alarm relays per channel and 4 to 20 mA outputs.



Input/Output: RS-485 Modbus RTU, 4-20 mA input, Direct Connect input, 4-20mA output, relay output
Power In: 100 - 240 VAC power supply / 10–30 VDC (24 VDC nominal)
Housing Options: NEMA 4X fiberglass, NEMA7
Approvals: cCSAus C22.2 No. 152 for combustibles Class 1, Div 2 Groups A, B, C and D

Model 8800 & 8864

Display and Alarm Controller

- Scalable, Flexible, Easy to Use 16 and 64 Channel Controllers
- Accepts 4-20mA, RS-485 Modbus RTU or Direct Connect Sensors (8864 only)



Simple function buttons and large QVGA color LCD displays make configuration and setup of the 8800 and 8864 Controllers easy and intuitive. Data can be displayed in five different screen options including numerically, in a bar graph, or as a trend graph. Built-in programming flexibility allows you the ability to configure the controller to the needs of a wide variety of applications. Alarm LEDs indicate three levels of alarm status for every channel monitored, and common relays are standard which can be used for additional alarm indications.

Input/Output: RS-485 Modbus RTU, 4-20 mA input, Direct Connect input (8864), 4-20mA output, relay output
Power In: Switch selectable 88–132 or 176–264 VAC power supply / 10–30 VDC (24 VDC nominal)
Housing Options: NEMA 1 panel mount, 19" Rack Mount, NEMA 4X fiberglass or stainless steel, NEMA7
Approvals: cCSAus C22.2 No. 152 for combustibles Class 1, Div 2 Groups A, B, C and D

IP66 Series

General Purpose & Explosion Proof





- Flexible Power and Light Options
- Interchangeable Lens Colors
- Simple Installation

The IP66 Series of Models A-IP66, V-IP66 and AV1-IP66 consist of an audible sounder (A), a visual beacon (V) or a combination ofthe two (AV1). All of these options come in impact resistant plastic housings that are rated to IP66 for dust and water ingress protection.

Ingress Protection: IP66 Type 3R/13
Sounder Output: 103 dB(A) @ 1m ± 3 dB [94 dB(A) @ 10ft/3m ± 3 dB)] Max Output
Certifications: • UL • CSA • EAC • Marine • CE • UKCA

AV1/AV2 C1D2

Hazardous Area Alarm Stations





- Designed for Use in Hazardous Environments
- Optional Class I, Div 2

AV1/AV2-C1D2 audio visual alarm stations are designed for installation and use in heavy industrial areas. The alarm stations consist of a warning light (2 lights for AV2) and a siren and are suitable for hazardous locations or corrosive environments. Horn options include coded blast, sustained tone and multi-tone.

Voltage Inputs: 24 VDC or 115 VAC
Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output
Light Intensity: LED 180cd, 10J Xenon 288.8cd
Current Consumption: LED 412.5mA, 10J Xenon 609mA @ 24VDC
Housing: Marine grade LM6 aluminum alloy - IP66 Type 4/4X/13/3R
Operating/Storage Temperature: -40° to +50°C [-40° to +122°F] • -40° to +70°C [-40° to +158°F]
Certifications: UL • cUL • IECEx • ATEX CI • II Div2 Zone2 • 22

CXT

SmartWireless Gas Detector

- Proprietary Self-Healing Mesh Network Topology
- Battery Powered Devices Eliminate Expensive Installation Costs

CXT gas detectors are easily and economically deployable in both permanent and temporary installations. Rechargeable and disposable battery options allow for run times of up to 6 months. Features include 1 mile (2.4 km) line-of-site, no single point of failure and a network capacity of up to 32 devices.



Gases Detected: Toxic • Combustible • O_2
Sensor Technologies: Electrochemical • Infrared
Power In/Battery Life: 9-30 VDC/ 9 months "D" cell (3.6V) disposables, 5 months rechargeable pack
Input/Output: 2.4Ghz DSSS Radio Transmission
Approvals: ATEX ("D" cell batteries only) • CE ("D" cell batteries only) • cCSAus • IECEx
(ATEX/IECEx only allow the "disposable" batteries. Rechargeable are only approved for cCSAus)

CX

Low Power Wired Gas Detector

- Compatible with Site Sentinel CX/CXT Controllers and other Control Systems
- Fully Encapsulated Electronics & Electropolished 316SS Construction

CX is the wired version of the CXT. It can be economically and easily deployed within a wireless system where a wireless transmitter is not needed. The CX is a very low power device making it an ideal choice for a battery powered detector (optional) in applications where power is unavailable or not economically feasible.



Gases Detected: Toxic • Combustible • O_2
Sensor Technologies: Electrochemical • Infrared
Power In/Battery Life: 9-30 VDC/ Internal "D" cell (3.6V) disposable pack or Lithium Ion Rechargeable pack (optional for CSA versions only)
Input/Output: 4-20mA & RS-485 Modbus
Approvals: ATEX • CE • cCSAus • IECEx

Wireless X40

- Compatible with CX/CXT Gas Detectors , RXT-320 Wireless Transceiver and SmartWireless Alarm Systems
- Command Functions Include Alarm Reset, Acknowledge, Test & Radio Silence

X40 Wireless Controller is a SmartWireless gas detection and control system that provides operator interface to the network and real time status display of all network devices. Features include 1.0 mile (1.6 km) line-of-site, network capacity of up to 32 devices, optional audible and visual alarms and non intrusive magnetic interface. Suitable for general purpose.



Input/Output: RS-485 Modbus RTU, 4-20 mA, relays, wireless option
Power In: 11.5-30 VDC, 115-230 VAC Option
Classification Options: NEMA 1 panel mount, NEMA 4X fiberglass or stainless steel, NEMA7
Approvals: CE Marking (Models X40-N4X & X40-SS) • cTUVus for non-hazardous areas

Solar Powered Wireless Alarm Station

SW-AV2-DV2SPE

- LED0J Xenon Lights
- Red, Blue, Green, White, Magenta, & Yellow light options
- 64 tones in 4 s
- Tripod mount & solar panel compatible



Adding a second light option, the SW-AV2-DV2SPE gives added versatility in alarm indication in a solar panel powered device. Both LED and 10J Xenon light options available.

Voltage Inputs: Solar Panel Powered w/Battery
Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output
Light Intensity: LED 180cd, 10J Xenon 288.8cd
Housing: IP66 Type 4/4X/13/3R
Operating/Storage Temperature: -25° to +50°C [-13° to +122°F]
Certifications: cULus for Class I & II, Division 2

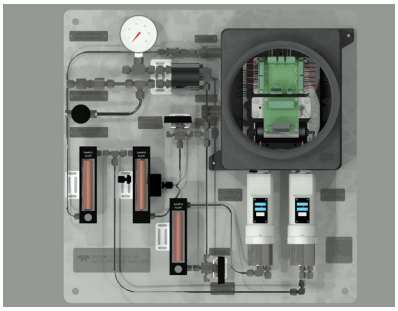
Model 1000 Series

Single or Dual Gas Analyzers

- H_2S, CO_2, H_2S & CO_2 Versions

Model 1000 Series gas analyzers provide accurate and continuous measurement of target gases in natural gas treating plants, gas production wells and at custody transfer points along gas transmission pipelines. Model 1000 is field tested and proven offering capabilities of analyzer technologies costing much more.

Operating Pressure: Inlet 10 ±2 psig, vent atmospheric ±1 psig
Sensor Technologies: Electrochemical for H_2S • Infrared for CO_2
Measurement Range: 0-10ppm up to 0-100ppm for H_2S, 1% up to 15% for CO_2
Power In/Output: 18-36VDC, 100-240 VAC/ 4-20 mA, RS485 Modbus RTU
Approvals : cETLus for Class I Division 1 Groups B,C, & D



Available Services

Commissioning: We ensure that your equipment is properly installed and in good working order. We will train you on equipment operation, maintenance, and calibration. Our technical expertise gives you the comfort and eliminates the need for you to search for this specialized service.

Training: Our training courses are designed to help seasoned veterans and newcomers alike. Trainees develop a better understanding of hazardous gas environments and how to use our gas detectors more effectively. Training course are offered at our service centers. We can even provide customized on-site sessions tailored to your company's specific needs.



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Our quality assurance programmes demand the continuous assessment and improvement of all Teledyne Gas & Flame Detection products. Information in this leaflet could thus change without notification and does not constitute a product specification.

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