SENS*ALARM* FLEX®

New "All-In-One" Gas Detection System

All-In for Safety

SENS*ALARM* FLEX

20.9

Ch 1		Ch 2
20.9%VOL	14 25 55	0.33%VOL
O2 25	Friday Oct 1, 2021	IR CO2 5

ENTER ►
MENU

◄ ESC

ENTER ►

UNIVERSAL GAS DETECTION SYSTEM

SENSIDYNE
Industrial Health & Safety Instrumentation
Sensidyne.com   Made in U.S.A.

SENS*ALARM* FLEX

UNIVERSAL GAS DETECTION SYSTEM

◄ ESC

ENTER ►

SENSIDYNE
Industrial Health & Safety Instrumentation
Sensidyne.com   Made in U.S.A.

Flexible Configurations
Flexible Sensor Options
Flexible Installation

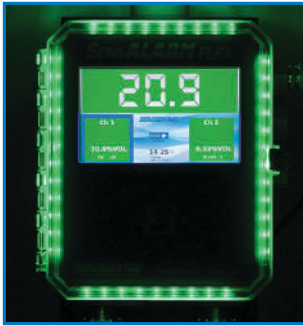## Turn-Key Solution with Flexibility for a Wide Range of Critical Safety Applications

+Detection at Every Point.

MADE IN THE U.S.A.

SENSIDYNE®
Industrial Health & Safety Instrumentation

SENS**ALARM** FLEX®

Advanced Safety Universal Gas Detection System

"All Safe" Mode

"Fault" Mode

"Alert" Mode

"Alarm" Mode

Flexible Gas Monitor Configurations
» Advanced Fully-Configurable Gas Detection System
» Configurable for 1 or 2 Local or Remote Sensors
» 4 Customizable Modes of LED Strobe Lights Integrated
   into Enclosure Body
» Optional Strobe Light Stack
» 4 to 20 mA and Modbus Communication (TCP or RS-485)
» Up to 8 SPDT 5A Relays
» 95 dB Horn and External Reset Button
» Optional Battery Back-Up

Flexible "Plus Series" Intelligent Sensors
» Transportable Calibration
» Comprehensive On-Board Sensor Data
» Percent Remaining Sensor Life
» Plug-and-Play with Auto Configuration
» Time-stamped Min/Max Concentration and Calibration Data

Flexible Installation and Maintenance
» Turn-Key Solution – Low Install Cost
» Remote Sensor/Calibration - up to 100 Feet Away
» In-Situ Monitoring, Duct Mount, or Sample Draw
» Non-Intrusive Configuration/Maintenance Interface

SensAlarm FLEX is a complete turn-key gas detection system in one enclosure. The system is fully equipped with built-in LED strobes, horn, and highly-visible 7" color LCD screen. At the core of **SensAlarm FLEX** is an advanced Intelligent Sensor platform with non-volatile memory for all key application variables and sensor data. A non-intrusive user interface enables operational customization and access to sensor life parameters, TWA alarms, calibration data, and other information with date and time recording.

The **SensAlarm FLEX** sensor interfaces are universal in that they accept all Sensidyne **Plus Series sensors**. Monitoring in high, low or adjacent locations is simplified by remote mounting the sensor up to 100 feet away. The automatic uploading of variables, alarm values and sensor information when a sensor is plugged in greatly simplifies installation and maintenance. **Transportable calibration** allows sensor calibration at the point of installation or in a workshop, then **hot-swapping** the sensor in the field.

SensAlarm FLEX is the ideal gas monitoring solution for labs, gas cylinder storage, industrial work areas, control room protection or any other applications where users benefit from a packaged gas detection system that works with all **Plus Series sensors**.

NOTE: User can configure the action for each strobe mode.

+ Detection at Every Point.

Easy, Intuitive User Interface

SensAlarm FLEX transmitters have a non-intrusive, menu-driven interface designed for effortless set-up and maintenance. The menu is free from complex icons and symbols and does not require use of remotes or connectors to interface with the transmitter. Below are actual menus and system displays.

Optional LED Light Stack
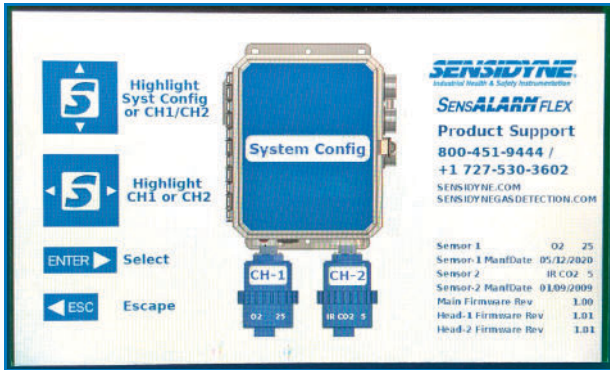
7" LCD screen, intuitive menu interface

Selected channel displays in top section

CH-1 Fault
CH-2 All Safe

CH-1 All Safe
CH-2 Alert

CH-1 All Safe
CH-2 Alarm

Dual and Single 316 Stainless Steel Sensor Heads
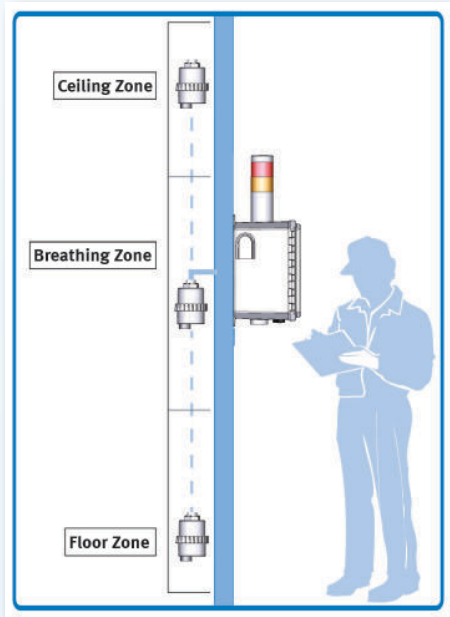
Dual and Single Aluminum or Poly Sensor Heads

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SENS*ALARM* FLEX®

Advanced Safety Universal Gas Detection System
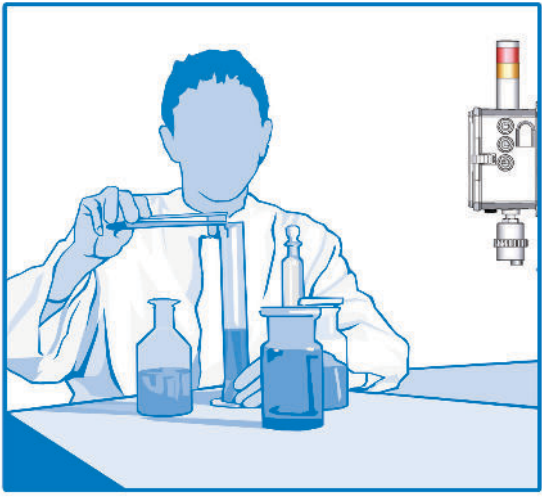
Local Detection

Remote Detection

Remote Mount

Duct Mount

SensAlarm Flex provides true installation and application flexibility for **local or remote mount** sensors to place the sensor closer to potential gas sources.
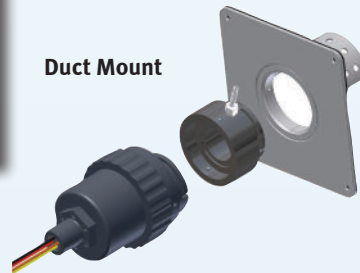
Technical Specifications

SENSORS
Gas .... All Sensidyne **Plus Series** sensors
ToD.................. Test-On-Demand available for specific toxic sensors

ELECTRICAL
Design .... Microprocessor based with nonvolatile memory Automatically resumes operation after power failure
Power .... 100-240 VAC, 50/60 Hz or 20-30 VDC
Battery........... Optional battery back-up available
Outputs.......... 4-20 mA into 600 ohms; Standard Modbus RS-485 RTU or Ethernet TCP
Light Stack... (NEMA 4X) optional up to 4 strobes with red, amber, blue, and green strobes
Horn .... 95 dB piezo horn
Relays............. 4 standard SPDT configurable relays. Optional 4 more SPDT configurable relays. Contact ratings: 6 amps at 120 VAC or 28 VDC resistive, 3 amps at 240 VAC resistive.

ENCLOSURE
Material.............. Polycarbonate
Environment..... NEMA 4X design
Type...................... Wall mount with tabs
Overall Size....... W x H x D: 8 x 10 x 6 in. / 20.3 x 25.4 x 15.24 cm
Weight Range... 12.25-24.17 lbs / 4.57-9.02 kg (with 1-2 sensor heads)
Conduit............... 3/4 inch NPT connector supplied (side).
Temp.................... -4° to 122°F / -20° to 50°C
Humidity............. 0-90 %RH, non-condensing.
Location............. Indoor or Outdoor
Sensor Head..... Enclosure and retaining ring are black anodized aluminum, PVC, or 316 stainless steel; splash guard and most other accessories are made of PVC.

DISPLAYS & CONTROLS
Display................. 7 in. / 17.8 cm color LCD
Security............... Password Protected Configuration Menu
Auto Config........ System automatically senses the presence of optional modules and features
Reset/silence... External push button switch for acknowledge (Alarm sequence 3A)
Annunciators.... Audible (+95dB) & Visual single strobe with optional second strobe

APPROVAL RATINGS
TUV...................................... CAN/CSA C22.2 No. 61010-1-2012
UL 61010-1:2012
EN 61010-1:2010

CE Mark

CE

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