# SENSIT 2016

## PRODUCT GUIDE

### HVAC INDUSTRY

# SENSIT Technologies

**The Company:**

SENSIT Technologies is an ISO 9001:2008 compliant, family-owned business located in Valparaiso, Indiana. Since 1980, we have manufactured gas leak detection products that help protect life and property.

Today, as a result of continuous innovation and commitment to customer satisfaction, the company has grown to become a global supplier to several markets:

- Energy: Natural and Propane Gas Industries
- Emergency Response: Fire Services
- Industrial: Health, Safety and Maintenance
- Municipal: Waterworks and Infrastructure
- Service Contractors: HVAC and Plumbing

**The Products:**

SENSIT gas detection products are best known for quickly and easily locating gas leaks and accurate measurement of toxic gases. Durability and low cost of ownership have added to our product popularity. SENSIT instruments can be found in many forms:

- Gas Leak Detection
- Personal Gas Monitors
- Infrastructure Detection

Our instruments meet approval agency standards from UL, ATEX, and CSA. Virtually all of our instruments can be linked to compliance reporting with the use of our Smart-Cal calibration and data management system. It is the final link for any total instrument program.

**The People:**

The most important asset we have to offer is our incredible people. Our dedicated team of gas detection experts have centuries of combined experience in product development, production, sales and service. Complete customer satisfaction is our number one objective:

- Provide the exact product to meet your requirements
- Exceed your expectations for service
- Offer the lowest cost of ownership over the life of the product

**The Future:**

SENSIT Technologies is committed to bringing new and innovative detection products to the global marketplace.

# HVAC INDUSTRY PRODUCT GUIDE



**SENSIT® GOLD G2** Multi-Function Gas Detector

**SENSIT® HXG-3 / HXG-3P** Gas Leak Detector

**SENSIT® HXG-2d** Gas Leak Detector

**SENSIT® TKX** Gas Leak Detector

**SENSIT® CO** Carbon Monoxide Analyzer

**SENSIT® P100** Single-Gas Personal Monitor

**SCAL-100** Calibration Station for SENSIT® P100

# SENSIT® GOLD G2

## The most versatile and user-friendly gas leak detector available today!

**Displays Up To**
**4 Gases Simultaneously**
• LEL (%Volume and PPM Optional)
• Oxygen
• Carbon Monoxide
• Hydrogen Sulfide
• Hydrogen Cyanide (Optional)

**Selectable Gas Type**
• Methane (Natural Gas)
• Propane

**Standard Features**
• Intrinsically Safe Design (Certified)
• Internal Pump - Fast Sampling
• Digital "Tick" Control - Fast Leak Location
• Lowest Cost, Long Life Sensors
• LED Warning Lights
• Bright Graphic Display
• Loud Audible Alarm
• Battery Strength Indicator
• Internal Memory
• Exceptional Water Protection

**Applications**
• Combustible Gas Leak Detection
• Gas Leak Survey
• Underground Leak Pinpointing
• Carbon Monoxide Investigations
• Confined Space Monitoring
• Combustible Gas Measurements
• Pipeline Purging
• Method 21 Emissions Testing
• Inert Gas Operations

**Partial List of Gases Sensed**
• Butane
• Gasoline
• Methane
• Oxygen
• Carbon Monoxide
• Hydrogen Sulfide
• Natural Gas
• Propane

**STANDARD KIT**
• Hard Carrying Case
• 3 "C" Batteries
• Extra Sensor Cap
• Wrist Strap
• T10 Allen Wrench
• Instruction Manual
Choice of 2 Piece Bar Hole Probe or Confined Space Probe

LUER PROBE CONNECTOR
SENSOR CAP
LEL / PPM SENSOR
INFRARED COMMUNICATIONS
GRAPHIC DISPLAY
ALARM LEDs
OPERATION BUTTONS
WATER-RESISTANT HOUSING
FLEXIBLE GOOSENECK
BATTERY COMPARTMENT

Patented

**TO OPERATE:**
1. Press Power
2. Wait 45 Seconds for Automatic Zeroing
3. Begin to Use

## SENSOR SPECIFICATIONS

| TYPE | RESOLUTION | RANGE | ACCURACY |
|---|---|---|---|
| PPM* | 1ppm or 10ppm | 0-10,000 ppm | ±10% |
| LEL | 0.1% up to 2% | 0-100% LEL | ±10% |
| % NAT GAS | 0.1% | 5-100% GAS | ±5% |
| % PROPANE | 0.1% | 2.2-100% GAS | ±5% |
| O2 | 0.1% | 0-25% | ±0.2% or 10%** |
| CO | 1ppm | 0-2000ppm | ±5ppm or 5%** |
| H2S | 1ppm | 0-100ppm | ±2ppm or 5%** |
| HCN | 1ppm | 0-30ppm | ±1ppm or 5%** |

*PPM Optional
  PPM Ranges Available:
  0-2,000ppm, 0-5,000ppm, 0-10,000ppm

**Whichever is greater

## PRODUCT SPECIFICATIONS

Size:            11.5" x 3" x 2.32" (29.2 x 7.6 x 5.9 cm)
Weight:        1.2 lb. (544 g)
Operational Temp:  -4 to 104 F (-20 to 40° C)
Battery Life:     Alkaline: Approximately 18 hrs. Continuous

# SENSIT® HXG-3/3P

**Displays LEL and PPM readings simultaneously for accurate leak detection and analysis.**

## HXG-3 Standard Features
• Intrinsically Safe Design (Certified)
• Displays LEL and PPM
• Audible/Visual Alarms
• Infrared Downloading
• Long-life, Low-Cost Sensor
• Simple Calibration

## HXG-3P Standard Features
• Intrinsically Safe Design (Certified)
• Internal Pump
• Water/Dust Filter
• Displays LEL and PPM
• Infrared Downloading
• Long-life, Low-Cost Sensor
• Simple Calibration

## Applications
• Locate Small Gas Leaks
• Area Monitoring
• Gas Leak Surveying
• Gas Line Purging
• Arson/Accelerant Detection

## Partial List of Gases Sensed
• Acetone
• Alcohol
• Ammonia
• Butane
• Gasoline
• Halon
• Hydrogen
• Industrial Solvents
• Jet Fuel - 2610
• Ethylene Oxide - 2610
• Lacquer Thinner
• Methane
• Natural Gas
• Propane
• Refrigerants

SENSOR

BACKLIT LCD DISPLAY

WARNING LEDS

OPERATION BUTTONS

TICK CONTROL

FLEXIBLE GOOSENECK

BATTERY COMPARTMENT

Patented

### TO OPERATE:
1. **Press Power**
2. **Wait 45 Seconds for Automatic Zeroing**
3. **Begin to Use**

## STANDARD KIT
• Hard Carrying Case
• 3 "C" Batteries
• Wrist Strap
• Instruction Manual

## SENSOR SPECIFICATIONS

| TYPE | RESOLUTION | RANGE | ACCURACY |
|------|------------|-------|----------|
| PPM* | 1 or 10ppm | 0-50,000 ppm | ±10% |
| LEL | 0.1% | 0-100% LEL | ±10% |

*PPM Optional

## PRODUCT SPECIFICATIONS
Size: 11.5" x 3" x 2.2" (29.21 x 7.62 x 5.89 cm)
Weight: 1.2 lb. (0.54 kg)
Operational Temp: -4 to 122 F (-20 to 50° C)
Battery Life: Alkaline: Approximately 25 hrs. Continuous

info@Sensit-Direct.com          SENSIT-Direct.com          1.888.475.5235

# SENSIT® HXG-2d

**Gas leak detector with digital display for accurate measurement of gases.**

## Standard Features
- Intrinsically Safe Design
- Push-Button Operation
- Field Calibration
- Backlit Display
- Adjustable Alarms
- Long-life, Low-Cost Sensor

## Applications
- Locate Small Gas Leaks
- Area Monitoring
- Gas Leak Surveying
- Gas Line Purging
- Chemical Detection
- Arson / Accelerant Detection

## Partial List of Gases Sensed
- Acetone
- Alcohol
- Ammonia
- Butane
- Ethylene Oxide
- Gasoline
- Halon
- Hydrogen
- Industrial Solvents
- Jet Fuel
- Lacquer Thinner
- Methane
- Natural Gas
- Propane
- Refrigerants

The SENSIT® HXG-2d cannot be used to check for carbon monoxide (CO) leakage.

SENSOR

ALARM LED

GRAPHIC DISPLAY

OPERATION BUTTONS

ELECTRONIC TICK CONTROL

FLEXIBLE GOOSENECK

BATTERY COMPARTMENT

**TO OPERATE:**
1. **Press Power**
2. **Wait 45 Seconds for Automatic Zeroing**
3. **Begin to Use**

Patent Pending

## STANDARD KIT
- Carrying Pouch
- 3 "C" Batteries
- T10 Allen Wrench
- Instruction Manual

## SENSOR SPECIFICATIONS

| TYPE | RESOLUTION | RANGE | ACCURACY |
|------|-----------|-------|----------|
| PPM* | 10ppm | 0-990 ppm | ±10% |
| LEL | 0.1% | 0-100% LEL | ±10% |

*PPM Optional

## PRODUCT SPECIFICATIONS
| | |
|---|---|
| Size: | 3.5" x 10" x 1.6" (8.9 x 25 x 4 cm) |
| Weight: | 1.2 lb. (0.544 kg) |
| Operational Temp: | -4 to 104° F (-20 to 40° C) |
| Battery Life: | Alkaline: Approximately 50 hrs. Continuous |

info@Sensit-Direct.com          SENSIT-Direct.com          1.888.475.5235

# SENSIT® TKX

## The perfect choice when locating hard to find natural gas or propane gas leaks.

**SENSIT® TKX** is the ideal choice for the budget conscious.

### Standard Features
• Intrinsically Safe Design
• Solid State, Long Life Sensor
• Adjustable Tick Rate System
• Audible and Visual Indicators
• Alkaline Battery Powered

### Applications
• Gas Pipe Leak Detection
• Propane / Butane Bottle Checks
• Chemical Detection
• Arson / Accelerant Detection

### Partial List of Gases Sensed
• Acetone
• Alcohol
• Ammonia
• Butane
• Ethylene Oxide
• Gasoline
• Halon
• Hydrogen
• Industrial Solvents
• Jet Fuel
• Lacquer Thinner
• Methane
• Natural Gas
• Propane
• Refrigerants

SENSOR

ON / OFF SWITCH

SENSING INDICATOR

TICK ADJUST DIAL

FLEXIBLE GOOSENECK

BATTERY COMPARTMENT

### TO OPERATE:
1. **Power On**
2. **Wait 30 Seconds**
3. **Adjust Tick**
4. **Begin to Use**

### STANDARD KIT
• Carrying Pouch
• 3 "C" Batteries
• Instruction Manual

### SENSOR SPECIFICATIONS

| TYPE | DETECTION LIMIT | RANGE |
|------|-----------------|-------|
| PPM | 20ppm | 20-50,000 |

### PRODUCT SPECIFICATIONS
| | |
|---|---|
| Size: | 3.5" x 10" x 1.6" (8.9 x 25.4 x 4 cm) |
| Weight: | 1.3 pounds (0.59 kg) |
| Operational Temp: | 0 to 120° F (-20 to 50° C) |
| Battery Life: | Alkaline: Approximately 30 hrs. Continuous |

# SENSIT® CO

**Use SENSIT® CO for Carbon Monoxide testing in residential and commercial buildings.**

With its powerful rotary pump, hot air probe and bright LCD display, the **SENSIT® CO** is perfect for testing ambient air and hot gas samples.

Infrared communication allows printing of test results to a compact printer (accessory) or PC simple and convenient.

## Applications
• CO Investigations
• Flue Gas Testing
• Equipment Inspection & Testing

## Standard Features
• Internal Pump
• Flue Probe with Water Trap
• Audible/Visual Alarms
• Backlit LCD Display
• Automatic Zeroing
• Field Calibration
• Calibration Alerts
• Memory Storage
• Infrared Download
• Hard Carrying Case

## Optional Features

Oxygen Sensing:
Display Oxygen and CO Simultaneously

Air-Free CO Reading:
Automatically Calculates CO Based on Air-Free Calculation

## STANDARD KIT
• Hard Carrying Case
• 3 "C" Batteries
• Flue Probe
• 5 Foot Flexible Tubing
• Particle Filter
• Wrist Strap
• Instruction Manual

WATER / DIRT FILTER
HOT AIR PROBE
INFRARED COMMUNICATIONS
BACKLIT LCD DISPLAY
ALARM LEDs
OPERATION BUTTONS
BATTERY COMPARTMENT

Patented

### TO OPERATE:
1. **Press Power**
2. **Wait 45 Seconds for Automatic Zeroing**
3. **Begin to Use**

## SENSOR SPECIFICATIONS

| TYPE | RESOLUTION | RANGE | ACCURACY |
|---|---|---|---|
| CO | 1ppm | 0-2,000 ppm | ±5ppm or 5%** |
| CO "Air Free"* | 1ppm | 0-5,000 ppm | ±5ppm or 5%** |
| O2* | 0.1% | 0-25% | ±0.2% or 10%** |
| *Optional Configuration | | | **Whichever is greater |

## PRODUCT SPECIFICATIONS
Size:       3" x 10" x 2.4" (7.6 x 25.4 x 6cm)
Weight:      1.1 pounds (0.5kg)
Operational Temp:   -4 to 104° F   (-20 to 40° C)
Battery Life:     Alkaline: Approximately 30 hrs. Continuous

info@Sensit-Direct.com     **SENSIT-Direct.com**     1.888.475.5235

# SENSIT® P100

**Single gas personal monitor designed to warn the user of hazardous gases in their working environment.**

## Standard Features
- Intrinsically Safe Design (Certified)
- One Button Operation
- Audible Alarm
- Visual Alarm
- Vibration Alarm
- STEL and TWA Alarms
- Alarm Event Memory
- Easy Field Calibration
- 2-Year Operation
- Refurbish Program Available
  After 2-years Of Operation
- Limited 2-Year Warranty (Including Sensor)
- Extended Warranty Available
- For use with SCAL-100 Test Stations

## Available Sensors
- Hydrogen Sulfide (H2S)
- Hydrogen Cyanide (HCN)
- Oxygen (O2)
- Carbon Monoxide (CO)
- Nitrogen Dioxide (NO2)
- Sulfur Dioxide (SO2)

**STANDARD KIT**
- Belt Clip
- Instruction Manual

ALARM LEDs

SENSOR

SOUNDER

ON / OFF

GRAPHIC DISPLAY

ZERO / CALIBRATE

BELT CLIP (ON BACK)

Patented

### TO OPERATE:
1. **Press Power**
2. **Wait 30 Seconds for Automatic Zeroing**
3. **Begin to Use**

## SENSOR SPECIFICATIONS

| TYPE | RESOLUTION | RANGE |
|------|-----------|-------|
| O2 | 0.1% | 25% |
| CO* | 1ppm | 0-999* |
| H2S | 1ppm | 0-100 |
| HCN | 0.1ppm | 0-30 |
| NO$_2$ | 0.1ppm | 0-20 |
| SO$_2$ | 0.1ppm | 0-20 |

**\*CO Extended Display Option:**

Detection Range:
0ppm - .2% Volume
(2000ppm equivalent)

Resolution:
1ppm for 0 – 999ppm
01% Volume for 1000ppm – 2000ppm

## PRODUCT SPECIFICATIONS
| | |
|---|---|
| Size: | 3.81" x 2.31" x 0.8" (9.67 x 5.87 x 2 cm) |
| Weight: | 3.6 oz. (105 g) |
| Operational Temp: | -4 to 104 F (-20 to 40° C) |
| Humidity: | 15-90% RH (Non-condensing) |
| Power Source: | 3.6V Lithium Battery |
| Battery Life: | 2+ Years |

# SCAL-100

**Calibrates SENSIT® P100 Single Gas Monitors, stores data and manages instrument testing compliance.**

All calibration data; time, date, sensor and pump performance data is stored in the calibrator for download to your computer. Data management software allows automatic uploading from calibrator, creates compliance reports and alerts selected personnel of overdue or failed calibrations.

### Design to Test/Calibrate SENSIT® P100 Monitors

- O2
- CO
- H2S
- HCN
- NO2
- SO2

### Standard Features:

- Indicates proper gas pressure
- Automatic operation when instrument is installed
- Indication of pass or fail
- RJ45 intranet connection
- Wall or desk mount
- Compatible with Windows 7 and Windows XP Network
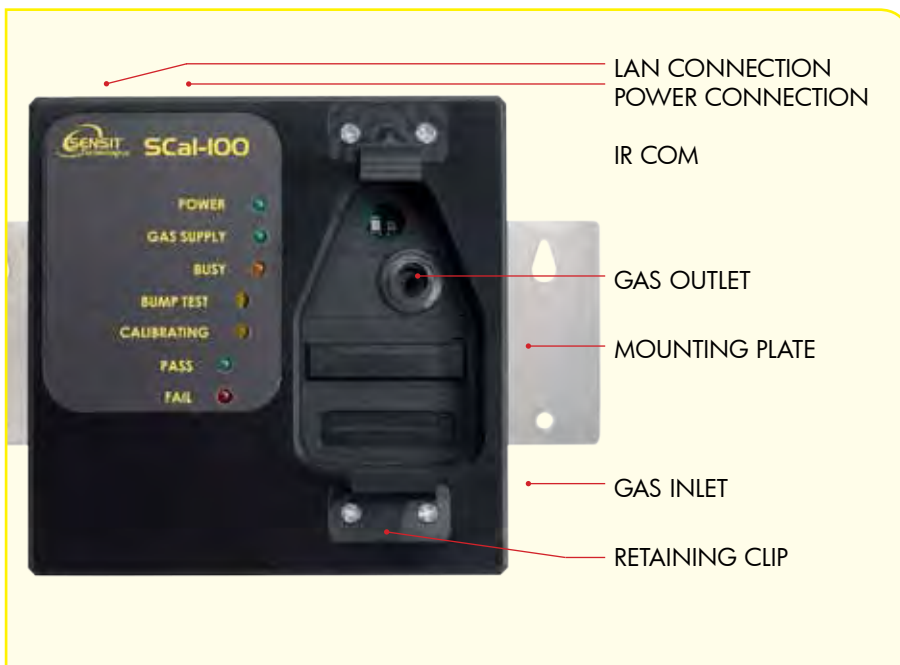
### SMART-CAL™ Reporting Features:

- Instrument Test Past Due
- Instrument Failure Alerts
- Monthly Compliance Report
- Sensor Performance Data
- Optional Networking System
- Compatible with:
  SCal-D™ (Desktop)
  SCal-N™ (Network)
  Data Management Software

### Available Test Gases*

- Oxygen - O2
- Carbon Monoxide - CO
- Hydogen Sulfide - H2S
- Hydrogen Cyanide - HCN
- Nitrogen Dioxide - NO2
- Sulfure Dioxide - SO2

*Contact Sensit Technologies for more info.

LAN CONNECTION
POWER CONNECTION
IR COM
GAS OUTLET
MOUNTING PLATE
GAS INLET
RETAINING CLIP

**For use with Black P100 Models Only.**

### SOFTWARE REQUIREMENTS

30MB Hard Drive Space
Windows® XP or Later Operating System
Microsoft® Outlook
Microsoft Excel

### PRODUCT SPECIFICATIONS

| | |
|---|---|
| Size: | 6" x 6" x 1.75" (15.24cm x 15.24cm x 4.5cm) |
| Weight: | 2 lb. (0.9 kg) |
| Operational Temp: | 40 – 120 F (5 to 50° C) |
| Max. Inlet Pressure: | 20 PSI |
| Power: | 100-240VAC 50/60Hz 0.2A input with 2VDC 0.5A output |

info@Sensit-Direct.com    SENSIT-Direct.com    1.888.475.5235