

SENSIT

2016

PRODUCT GUIDE

PROPANE INDUSTRY





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.



PROPANE INDUSTRY PRODUCT GUIDE



SENSIT® GOLD G2 Multi-Function Gas Detector

TRAK-IT® IIIa Combustible Gas Indicator

SENSIT® HXG-2d Gas Leak Detector

SENSIT® TKX Gas Leak Detector

SENSIT® P400 Multi-Gas Personal Monitor

SMART-CAL™ Calibration Station

SCAL-D / SCAL-N Data Management Software

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



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

TRAK-It® IIIa

Combustible Gas Indicator designed for extreme working conditions.

Displays Up To 4 Gases Simultaneously

- LEL (%Volume and PPM Optional)
- Oxygen
- Carbon Monoxide
- Hydrogen Sulfide

Standard Features

- Intrinsically Safe Design (Certified)
- 2-Speed Internal Pump
- Identifies Natural Gas vs Propane Gas
- Lowest Cost, Long Life Sensors
- LED Warning Lights
- Large Bright Graphic Display
- Loud Audible Alarm
- Optional 1600 Event Auto Log
- Exceptional Water Protection
- Long Battery Life
- Cost Effective As An Area Monitor
- Infrared Downloading
- Built-in Natural Gas and Propane Gas Calibration
- Stainless Steel Housing

Applications

- Gas Line Purge
- Underground Leak Pinpointing
- Gas Leak Investigations
- Carbon Monoxide Investigations
- Confined Space Monitoring
- Combustible Gas Measurements

Partial List of Gases Sensed

- Butane
- Gasoline
- Methane
- Oxygen
- Carbon Monoxide
- Hydrogen Sulfide
- Natural Gas
- Propane



STANDARD KIT

- Padded Carrying Pouch
- 4 "C" Batteries
- Neck Strap
- External Water/Dirt Filter
- Instruction Manual
- Choice of Bar Hole Probe or Confined Space Probe

PADDED CARRYING POUCH

GRAPHIC DISPLAY

IR WINDOW

STATUS / ALARM LEDs

SPEAKER

NECK STRAP

OPERATIONAL BUTTONS

PROBE ASSEMBLY

TO OPERATE:

1. Press Power
2. Wait 45 Seconds for Automatic Zeroing
3. Begin to Use

Patent Pending

SENSOR SPECIFICATIONS

TYPE	RESOLUTION	RANGE	ACCURACY
PPM*	5ppm	0-2,000 ppm	±10%
LEL	0.1% up to 2%	0-100% LEL	±10%
% NAT GAS	0.1%	5.0-100% 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	±2ppm or 5%**

*PPM Optional

**Whichever is greater

PRODUCT SPECIFICATIONS

Size:	6.5" x 4" x 4.25" (16.5 x 10.2 x 10.8 cm)
Weight:	2.8 lb. (1.27 kg)
Operational Temp:	-4 to 104 F (-20 to 40° C)
Battery Life:	Alkaline: Approximately 40 hrs. Continuous

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.



STANDARD KIT

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



Patent Pending

TO OPERATE:

1. Press Power
2. Wait 45 Seconds for Automatic Zeroing
3. Begin to Use

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

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



STANDARD KIT

- Carrying Pouch
- 3 "C" Batteries
- Instruction Manual



TO OPERATE:

1. Power On
2. Wait 30 Seconds
3. Adjust Tick
4. Begin to Use

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[®] P400

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

P400 can be configured with 1 to 5 sensors.

Standard Features

- Extremely Rugged, Intrinsically Safe Design
- Lowest Cost, Long Life Sensors
- Audible Alarm - 3 Tone
- Visual Alarm - 360° View
- Vibration Alarm
- STEL and TWA Alarms
- Compliance/Status Indicator
- Data Logging
- Easy Field Calibration
- Easy Clean Dust Pre-Filter
- Easy-Access Reusable Dust Filter
- Alkaline and/or NiMH Battery
- Limited 2-Year Warranty (Including Sensors)
- Extended Warranty Available

P400 Optional Feature

Immediate Detection System (IDS)
Early warning to changes in gas concentrations

Available Sensors

- Oxygen (O₂)
- Carbon Monoxide (CO)
- Hydrogen Sulfide (H₂S)
- Hydrogen Cyanide (HCN)
- Nitrogen Dioxide (NO₂)
- Sulfur Dioxide (SO₂)
- Combustible Gases



STANDARD KIT

- Belt Clip
- Instruction Manual
- Calibration Adapter
- Dust Pre-Filter
- Alkaline Batteries

KIT OPTIONS

- Confined-Space Entry Kit
- Calibration Station
- Calibration Kit
- Recharger Battery Pack
- Recharger Station



COMPLIANCE/
STATUS INDICATOR

ALARM LEDs

SENSOR AREA

SENSOR FILTER

FUNCTION BUTTONS

SOUNDER

GRAPHIC DISPLAY w/BACK LIGHT

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	ACCURACY	RESPONSE T90 TIMES
LEL	0.1%	0-100	±10%	< 10 Sec
O ₂	0.1%	25%	±2% or 10%**	< 10 Sec
CO	1ppm	0-999*	±5ppm or 10%**	< 10 Sec
H ₂ S	1ppm	0-100	±2ppm or 10%**	< 20 Sec
HCN	0.1ppm	0-30	±1ppm or 10%**	< 20 Sec
NO ₂	1ppm	0-250	±2ppm or 10%**	< 20 Sec
PH ₃	0.1ppm	0-10	±1ppm or 10%**	< 20 Sec
SO ₂	0.1ppm	0-20	±1ppm or 10%**	< 20 Sec
ETO	0.1ppm	0-10	±1ppm or 10%**	< 20 Sec

*CO Extended Range Available 0ppm - 1999ppm.

** Whichever is greater

PRODUCT SPECIFICATIONS

Size: 5.2" x 3.2" x 1.7" (13.2 x 8.1 x 4.0 cm)
Weight: 12 oz. (340 g)
Operational Temp: -4 to 122 F (-20 to 50° C)
Humidity: 10-90% RH (Non-condensing)
Power Source: 4 "AA" Alkaline or NiMH Recharger Pack
Battery Life: 24 Hr. Alkaline or 15 Hr. NiMH
Typical Response Time: Initial < 2 Sec T90 <10 Sec (LEL)
Sound: 98db @ 15cm

SMART-CAL™

Calibrates SENSIT® and Trak-It® instruments, 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.

SMART-CAL™

Designed for use with:

- SENSIT® CO
- SENSIT® GOLD
- SENSIT® GOLD CGI
- SENSIT® GOLD G2
- SENSIT® HCN
- SENSIT® HXG-3
- SENSIT® HXG-3P
- SENSIT® PMD
- Trak-It® III CGI
- Trak-It® IIIa

SMART-CAL™

Standard Features:

- Push Button Operation
- Backlit LCD Display
- Line of Sight IR Communication
- Date/Time Display
- Automatic Date Adjustment
- Automatic Upload
- Calibration Memory
- Bottle Pressure Monitoring
- Compatible with Windows 7 and Windows XP Network

SMART-CAL™

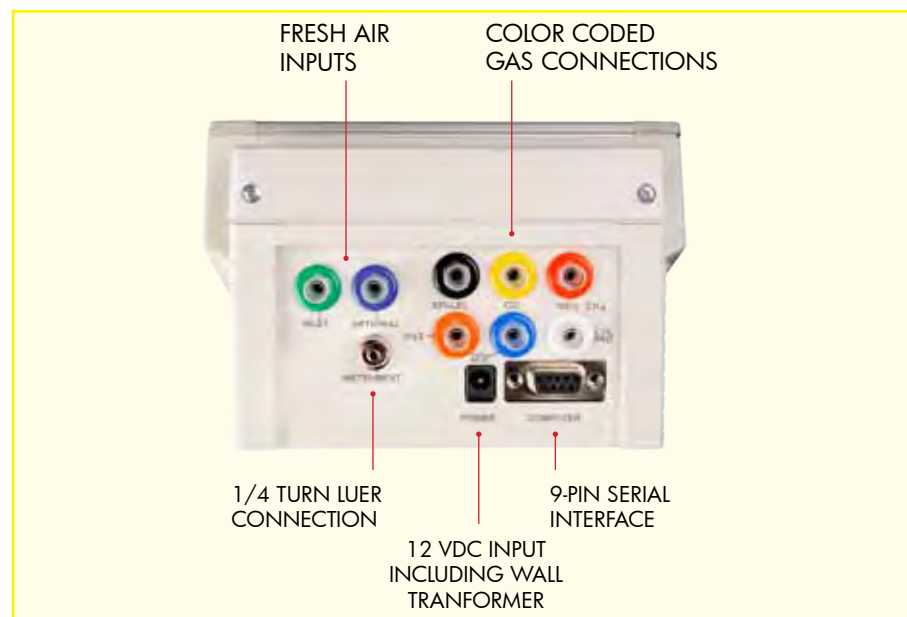
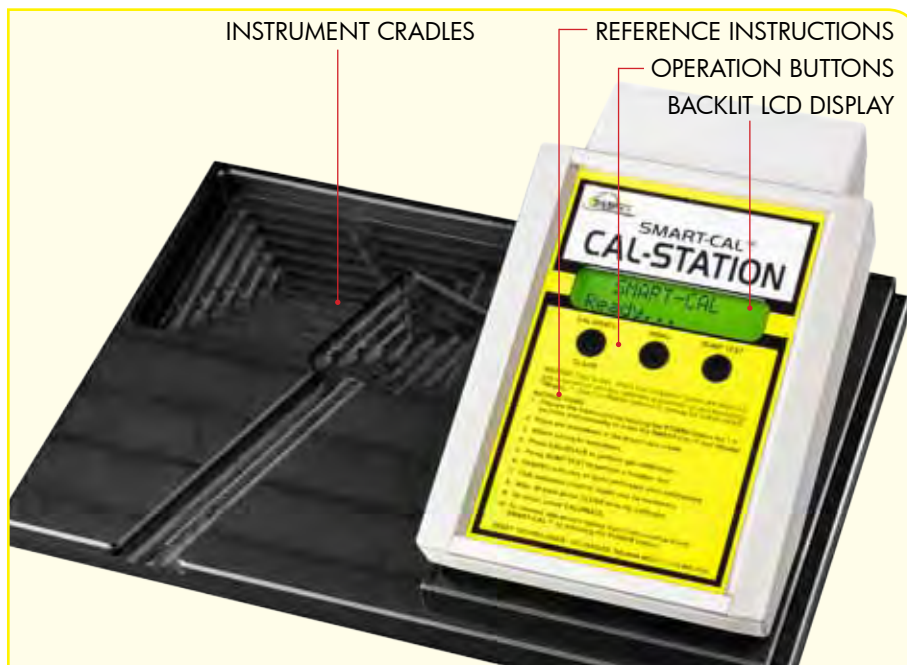
Reporting Features:

- 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*

- PPM (Methane)
- LEL (Methane)
- LEL (Propane)
- % Volume
- Carbon Monoxide - CO
- Hydrogen Cyanide - HCN
- Hydrogen Sulfide - H₂S
- Oxygen - O₂

*Contact Sensit Technologies for more info.



SOFTWARE REQUIREMENTS

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



PRODUCT SPECIFICATIONS

Size: 10.75" x 6.75" x 4.5" (27.3cm x 17.1cm x 11.4cm)
Weight: 2.5 lb. (1.13 kg)
Operational Temp: 32 to 120 F (0 to 48.9° C)
Max. Inlet Pressure: 20 PSI
Power: 100 - 240VAC Input with 12VDC Output

SCAL-D / SCAL-N

Data Management Software for use with SMART-CAL™ & SCal-100 Calibration Stations

SCal is the Data Management Software used to download data from Calibration Stations.

Various reports and alerts can be viewed, printed, emailed or stored as an Excel spreadsheet. When configured it will automatically alert operators and supervisors of important data depending on their preference. SCal provides an easy to use interface and content sensitive help with FAQ's for quick response.

SCal-D is the Desktop version of the software. This single-user software application comes standard with Calibration Stations.

SCal-N is the Network version of the software. SCal-N is sold separately with a multi-year license. Use SCal-N to download data from remotely located Calibration Station(s). Data is stored in SQL Server.

SCal-N is divided into two categories:

Admin Application:

The Admin application is the host for the automatic downloading of remote Calibration Stations that have the proper communication hardware installed. This program is SQL Server based. You must install and use only one copy of SCal-N as Admin.

User Application:

The User Application allows viewing of selected data stored in the Server database from any computer that has access or privileges. An authorized login and password to the SQL Server is required for each User application installed.

*Contact Sensit Technologies for more info.



HARDWARE REQUIREMENTS

SMART-CAL™

Design for use with:

- SENSIT® CO
- SENSIT® GOLD
- SENSIT® GOLD CGI
- SENSIT® GOLD G2
- SENSIT® HCN
- SENSIT® HXG-3
- SENSIT® HXG-3P
- SENSIT® PMD
- Trak-It® III CGI
- Trak-It® IIIa



SCAL-100

Design for use with:

- SENSIT® P100 (Black Housing)



SOFTWARE REQUIREMENTS

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

PRODUCT SPECIFICATIONS

SCAL-D or SCAL-N Software CD (User Guide Included on Disc)
Printed Installation Guide