

**SENSIT<sup>®</sup> IRED**  
INFRARED ETHANE DETECTOR



Is it Natural Gas  
from a pipeline?

**SENSIT<sup>®</sup> IRED**  
has the answer.

**SENSIT<sup>®</sup> IRED** quickly and accurately determines  
the presence of ethane, even in the smallest indications of gas.

**MADE IN THE USA**  
WITH GLOBALLY SOURCED COMPONENTS

**SENSIT**  
Technologies

Innovative Detection Solutions

[www.gasleaksensors.com](http://www.gasleaksensors.com)

# SENSIT<sup>®</sup> IRED

**Quickly determines the presence of ethane in low concentration methane samples.**

**SENSIT<sup>®</sup> IRED** is a state of the art ethane detector incorporating a unique, patented use of infrared absorption spectroscopy to determine the presence of ethane in a methane sample.

This technology can detect as little as 250ppb ethane in a 50ppm methane sample. Even the smallest of samples can be analyzed in the field to determine if gas from a natural gas piping system is being detected.

Ethane is the key “fingerprint” contained in pipeline gas and typically ranges from <2-25% by volume. The SENSIT IRED is a field tool that produces accurate results within minutes rather than hours or days if other methods are used.

## Benefits

- Ethane Specific - IRED filters out other gases.
- Ideal for low concentration methane readings.
- Displays 0-999 ppb ethane
- Displays 1.0-500 ppm ethane

**SENSIT<sup>®</sup> IRED** is

- Accurate
- Durable
- Easy to Use
- Easy to Maintain



## Standard Features

- Large Backlit Display
- Powerful Pump
- Measurement Logging: Record Readings
- Record Calibration Data
- Bluetooth Communication
- Simple 3-Button Operation
- Infrared Communication
- Bluetooth Communication

SENSIT<sup>®</sup> IRED can communicate with SMART-CAL Calibration System, SmartLink software (via Bluetooth), and print records to IR Printer (All Sold Separately.)

## Optional

- Record GPS Coordinates with Readings
- IR Printer



**TO OPERATE:**

1. Press Power
2. Wait for warm-up process and cell-check to complete
3. Begin to Use

Patented



**SENSOR SPECIFICATIONS**

TYPE	RESOLUTION	RANGE	ACCURACY
PPB	1ppb	250-999	±20%
PPM*	0.1ppm	1.0-500	±20%

\*Maximum sample size of methane isv2,000ppm (0.2%V/V)

**PRODUCT SPECIFICATIONS**

Size:	11.505" x 8.512" x 5.406" (29.22 x 21.62 x 13.73 cm)
Weight:	7.4 lbs (3.4 kg) (with battery pack)
Operational Temp:	-4 to 122° F (-20 to 50° C)
Power:	Lithium Ion rechargeable battery pack
Battery Life:	Approximately 6 hrs. Continuous
Environmental Resistance:	IP 34



**STANDARD KIT**

- Compact Carrying Case
- Telescopic Survey Probe
- Wall Charger
- Carrying Strap
- Hot Swap Vehicle Battery + Auto Cord
- Hydrophobic Filter Disc 0.75" (10 Pack)
- Blue Filter for Probe (1 Filter)
- Battery Door Removal Tool
- Instruction Manual

**STANDARD FEATURES**

Record Calibration Data (Standard) 100 logs

**Measurement Logging:**

Record Readings 100 logs

**Infrared Communication:**

Print Results (Printer Sold Separately)  
Communicate with Smart-Cal Calibration System

**Bluetooth Communication:**

Transfer Saved Data

**OPTIONAL**

Record GPS Coordinates with Readings  
IR Printer

## SENSIT® IRED Instruments

SENSIT IRED Part # 929-00000-01

SENSIT IRED With GPS\*  
Part # 929-00000-02

Included: Compact Carry Case, Carrying Strap, Telescopic Survey Probe, Blue Filter for Probe (1), Hydrophobic Filter (10 pk), Wall Charger, Hot Swap Vehicle Battery + Auto Cord, Battery Door Removal Tool, Instruction Manual

\*IRED with GPS includes SmartLink Log Viewer Software and Installation Guide.

## SENSIT® IRED Ship Kits

IRED Standard Kit Compact Carry Case  
Part # 990-00000-36

## SENSIT® IRED Kit Replacement Parts

Compact Carrying Case with Foam Part # 872-00021

Hot Swap Vehicle Battery Part # 871-00030

Universal Wall Charger Part # 871-00025

Telescopic Survey Probe Part # 883-00029

Hydrophobic Filter Disc 0.75" (10 Pack) Part # 873-00024

Filter (Blue) for Probe (1 Filter) Part # 360-00064

IRED Carrying Strap Part # 360-00238

Battery Door Removal Tool Part # 360-00249

Instruction Manual Part # 750-00061

SmartLink Log Viewer Software (For IRED w/GPS) Part# 870-00040

SmartLink Installation Guide Part# 750-00051

## SENSIT® IRED Calibration Kit

IRED Calibration Kit Part # 881-00100

Kit includes:  
(1) Regulator  
(1) Cal Adapter  
(1) 100pm Ethane/Nitrogen 58L

## SENSIT® IRED Replacement Cylinders

100ppm Ethane/Nitrogen 58L Part # 315-120010

## SENSIT® IRED Automated Calibration

SMART-CAL Auto Calibration Station Only Part # 914-00000-01

Contact SENSIT to discuss calibration kit for Smart-Cal

## SENSIT® IRED Bump Test Kit

IRED Bump Test Kit Part # 881-00101

Kit includes:  
(1) Regulator  
(1) Cal Adapter  
(1) 1000ppm CH4/10ppm Ethane 58L

## SENSIT® IRED Replacement Cylinder for Bump Test

1000ppm CH4/10ppm Ethane 58L Part # 315-120005



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WITH GLOBALLY SOURCED COMPONENTS

SENSIT Technologies  
is in compliance with ISO 9001:2008



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