

SENSIT[®] IRED
INFRARED ETHANE DETECTOR



Is it Natural Gas
from a pipeline?

SENSIT[®] IRED
has the answer.

SENSIT[®] 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

SENSIT[®] IRED

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

SENSIT[®] 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[®] 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[®] 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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SENSIT Technologies
is in compliance with ISO 9001:2008



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