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

SENSOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>RESOLUTION</th>
<th>RANGE</th>
<th>ACCURACY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPB</td>
<td>1 ppb</td>
<td>250-999</td>
<td>±20%</td>
</tr>
<tr>
<td>PPM*</td>
<td>0.1 ppm</td>
<td>1.0-500</td>
<td>±20%</td>
</tr>
</tbody>
</table>

*Maximum sample size of methane is 2,000 ppm (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 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) 100ppm 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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