SENSIT® PMD
PORTABLE METHANE DETECTOR

- Methane Selective
- GPS Data Logging with Event Capture
- Walking or Vehicle Operation
SENSIT® PMD is a small, lightweight, battery operated instrument used to survey, pinpoint and grade leaks wherever they occur.

SENSIT® PMD is among the best performing and lowest cost optical instruments that can be used for both walking and vehicle applications.

The PMD is methane selective and filters out other gases in PPM range. High sensitivity of 1 PPM detects leaks faster. Detection range of 0-100% volume allows for faster leak classification.

SENSIT® PMD is
• Accurate
• Durable
• Easy to Use
• Easy to Maintain

Find Gas Leaks Fast!

Standard Features
• Intrinsically Safe Design
• Large Display with Automatic Backlight
• Powerful 1.0Lpm Pump
• Methane Selective
• Filters Out Other Gases in PPM Range
• Adjustable PPM and LEL Alarms
• Bar Hole Test
• Tick-Style Leak Detection
• Datalogging with Event Capture
• Easy connection for auxiliary pumps used in vehicle applications
• SMART-Cal Compatible

Applications
• Above Ground Leak Survey
• Below Ground Leak Pinpointing
• Vehicle Leak Surveys
**PRODUCT SPECIFICATIONS**

- **Size:** 10” x 4.1” x 5.5” (25.4 x 10.4 x 14 cm)
- **Weight:** 6.1 lb. (2.6 kg)
- **Operational Temp:** -4 to 122° F (-20 to 50° C)
- **Power:** Lithium Ion rechargeable battery pack
- **Battery Life:** Approximately 7 hrs. Continuous
- **Intrinsic Safety:** Designed to meet US and ATEX
- **Zone 2 Environmental Resistance:** IP 54

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**SENSOR SPECIFICATIONS**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>RESOLUTION</th>
<th>RANGE</th>
<th>ACCURACY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPM*</td>
<td>1 ppm</td>
<td>0-5,000</td>
<td>±10%</td>
</tr>
<tr>
<td>LEL</td>
<td>0.1%</td>
<td>0-100%</td>
<td>±10%</td>
</tr>
<tr>
<td>%VOL</td>
<td>0.1%</td>
<td>5-100%</td>
<td>±10%</td>
</tr>
</tbody>
</table>

*PPM Optional

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

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**STANDARD KIT**
Telescopic Survey Boot
Probe Rod
Battery Charger
Carrying Straps
Instruction Manual
Lithium Ion Rechargeable Battery Pack

**KIT OPTIONS**
- GPS
- Removable Memory
- Bluetooth Data Output
- Hard Carrying Case
- PMD Harness Kit

**OPTIONAL FEATURES**

**Data Logging:**
- Record GPS Coordinates with Readings
- Record Recalibration Time Data
- Record Real-Time Readings
- Record Peak Reading
- Record Alarm

**Infrared Communication:**
- Communicate with Smart-Cal Calibration System
- Print Records & Alarms

**Blue Tooth Communication:**
- Stream Real-Time Data
- Removable Memory Card
- Storage of Data Logging

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**Vehicle Mount Vacuum System**

**Vehicle Mount Vacuum + Optical Systems**
### SENSIT® PMD Instruments

**SENSIT PMD No GPS, No Datalogging**  
Part # 921-00000-01

**SENSIT PMD With GPS and Datalogging**  
Part # 921-00000-02

Included: Survey Probe, Recharge Kit, Battery Door Removal Tool, Instruction Manual, Shoulder Strap, Filter Element (10 pk), (1) Blue Filter

### SENSIT® PMD Ship Kits

**PMD Standard Kit**  
Shipping Box with Foam  
Part # 990-00000-13

**PMD Deluxe Kit**  
Heavy Duty Carrying Case  
Part # 990-00000-12

**PMD Compact Case Kit**  
Compact Carry Case  
Part # 990-00000-27

### SENSIT® PMD Kit Replacement Parts

**Delux Hard Carrying Case**  
Part # 872-00010

**Compact Carrying Case**  
Part # 872-00013

**Shipping Box and Foam**  
Part # 872-00017

**Lithium Rechargeable Battery Pack**  
Part # 871-00017

**US Wall Plug Adapter**  
Part # 871-00024

**Int’l Wall Plug Adapter**  
Part # 871-00025

**Telescopic Survey Probe**  
Part # 883-00029

**PMD Hydrophobic Filter Disc 0.75” (10 Pack)**  
Part # 873-00024

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

**Shoulder (Carrying) Strap**  
Part # 360-00238

**Battery Door Removal Tool**  
Part # 360-00249

**Instruction Manual**  
Part # 750-00045

### SENSIT® PMD Manual Calibration Kit

**PMD Manual Calibration Kit**  
Part # 881-00070

Kit includes (1) 0.1% Methane 103 liter, (1) 2.5% Methane 103 Liter, (1) 100% Methane 116 Liter, (1) Regulator, (1) Cal Adapter

### SENSIT® PMD Replacement Cylinders

- **0.1% Methane/Air 103 Liter**  
  Part # 315-140006

- **2.5% Methane/Air 103 Liter**  
  Part # 315-140002

- **100% Methane 116 Liter**  
  Part # 315-220005

### SENSIT® PMD Automated Calibration

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

Contact SENSIT to discuss calibration kit for Smart-Cal

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ISSUED: 12-6-2010  
REV: 11-1-2019