

SENSIT PMD 2

PORTABLE METHANE DETECTOR

The SENSIT PMD2 is a walking survey methane detector designed for pinpointing and grading leaks as part of SENSIT's leak survey portfolio. Built around methane-selective TDLAS technology, it delivers fast, accurate measurements without cross-sensitivity, supporting crews confidently identify leaks while conducting their survey routes. Integrated GPS, high-capacity datalogging, and configurable modes support above-ground leak investigations, underground leak pinpointing and vehicle-based leak surveys.



KEY FEATURES

Precise Methane Measurement

- | Methane-selective TDLAS sensor with no cross-sensitivity
- | 100 PPB (0.1 PPM) resolution at low methane concentrations

Built for Leak Surveys

- | High-flow pump for faster and more accurate sampling
- | PHMSA-ready for proposed 5 PPM level methane leak pinpointing

Datalogging and Calibration

- | Datalogging and GPS delivers traceable leak survey reporting
- | Integrated with Smart-Cal 360 supporting extended calibration cycles up to 90 days

Field-Ready Design

- | Full-shift operation without charging
- | High-contrast display and rugged housing for low-light and demanding conditions

SHIP KIT

- | Standard Hard Carrying Case
- | Telescopic Survey Probe
- | Telescopic Survey Probe Filter Replacement
- | Shoulder Strap
- | Battery Charger with Wall Transformer
- | International Power Adapter
- | Battery Door Removal Tool
- | Female Luer to Quick Connect Plug
- | Replacement Inlet Syringe Filters (5)

ACCESSORIES

- | Automatic Bump & Calibration Station Kit
- | Manual Calibration Kit
 - | Gas Cylinders
 - 103L 0.1% Methane/Air
 - 103L 2.5% Methane/Air
 - 116L 100% Methane
 - | Gas Cylinder Demand Regulator
 - | Cal Adapter
- | 32" Heavy Duty Fiberglass Probe
- | 30" Brass Probe
- | Bell Probe Assembly
- | Zet Probe Assembly
- | Flexible Probe Assembly
- | Bore Probe Assembly
- | Telescopic Handle Assembly

WARRANTY

- | 2-Year Instrument Warranty

SENSIT
FIND GAS LEAKS FAST

TECHNICAL DATASHEET



Disclaimer:
To ensure ongoing product improvement and technical accuracy, SENSIT may update specifications without prior notice. While every effort has been made to present accurate and reliable information, SENSIT is not responsible for errors, omissions, or changes that may occur. Users should refer to the most current regulations, standards, and product documentation when making operational or safety decisions. This document is provided for informational purposes only and is not intended to serve as a contractual agreement.

Sensor	
Detection Technology	TDLAS (Tunable Diode Laser Absorption Spectroscopy)
Gases	Methane (CH4)
Measurement Range	0–50,000 PPM 0-100% LEL 5-100% VOL
Sensitivity	0.5 PPM
Resolution	0 - 10,000 PPM: 0.1 PPM 10,000 - 50,000 PPM: 1 PPM 0 - 100% LEL: 0.1% LEL 5 - 100% VOL: 0.1% VOL
Accuracy	±2 ppm or ±10% (Whichever Is Greater)
Electrical	
Battery Type	Rechargeable Li-ion
Battery Life	12 hours
Charging Time	Up to 8 hours
Charger	External Li-ion charger, 10.3-18 VDC input Operating Temperature - 0°C to 45°C
Mechanical	
Size:	8" x 4" x 3.5" (20.3 x 10.1 x 8.9 cm)
Weight:	3.1 lb (1.4 kg)
Housing:	TPE Overmolded - Polycarbonate (PC)
Pump Flow Rate	1 LPM
Response Time	T90 - TBA
Display	3.2" Frontlit LCD - 336 x 536 Dots
Filter Rating	0.45 µm (micron)
Alarms	Audio - 98 dB at 1 ft, LED Green, Yellow & Red Adjustable Set Points Default Set Points: 10 ppm 50 %LEL
Environmental	
Operating Temperature	–4°F to 122°F (–20°C to 50°C)
Storage Temperature	–4°F to 140°F (–20°C to 60°C)
Humidity	15 to 95% RH, non-condensing
Ingress Protection Rating	IP64
Software	
Datalogging Rate	1 log / second (Adjustable up to 1 log/minute in second increments)
Data Storage Capacity	475,000 logs - Data Logs 1024 logs - Bar Hole, Session, Cal, Bump Logs 512 logs - Purge, Error Logs
Software Compatibility	SMART-LINK360, Service360, GIS360
GPS	Built-in, < 3m accuracy
Connectivity	Bluetooth