

SENSIT AMLD ADVANCED MOBILE LEAK DETECTION

The SENSIT AMLD is a vehicle mounted system, equipped with an ultra-high sensitivity instrument. It features rapid startup, simple controls and clear interface to aid technicians in investigations where accuracy is crucial.

The AMLD measures ethane down to 0.5ppt in the same sample cell as methane, at the same instant, so crews know which indications are pipeline gas before anyone gets out the truck.

When an indication needs pinpointing, the same crew can walk it in with the SENSIT PMD2, bar-hole it and grade it. One supplier and one software from first pass to repair.

YOUR INSTRUMENT YOUR DATA



KEY FEATURES

Detect

- | Methane selective at PPB level
- | Ethane selective at PPT level
- | Internal 50 ppm bump test

Discriminate

- | Both gases measured in one cell with one laser
- | Enhanced ethane sensitivity vs CRDS systems
- | Thermogenic pipeline gas identified from methane:ethane ratio

Locate & Quantify

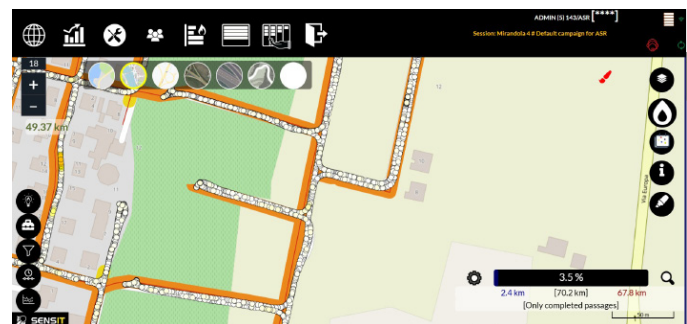
- | Weather station captures wind speed and direction for a per-leak location
- | Utrecht algorithm deployed for leak quantification
- | Aggregated emissions for OGMP 2.0 Level 4 and Level 5 reporting

Report

- | Integrated GPS for real-time mapping and logging in GIS 360 software
- | Coverage, indications and ratios export from GIS 360 into your own systems for your own audit file.

You Own Every Reading

- | SENSIT does not take title of your survey data
- | No mandatory software subscriptions
- | If licenses lapse, instrument keeps detecting
- | Follow up investigations with the SENSIT PMD2 use same software and same tablet



SENSIT

FIND GAS LEAKS FAST

TECHNICAL DATASHEET

Book A Survey Demo

SENSIT has supported the natural gas industry with leak detection since 1980 and we're committed to continue to do so with Advanced Mobile Leak Detection.

We can bring an AMLD vehicle to you service territory and survey pipes you already know alongside the method you already use today.

Scan Below or email: info@gasleaksensors.com



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

Sensor Technology	Cavity Enhanced Absorption Spectroscopy (CEAS)
Gases	Methane (CH ₄), Ethane (C ₂ H ₆) Simultaneously
Measurement Range	CH ₄ - 0-10,000 ppm, C ₂ H ₆ - 500 ppt - 500 ppm
Resolution	CH ₄ - 1 ppb, C ₂ H ₆ - 0.1 ppb
Accuracy	CH ₄ - ±2 ppb/s, C ₂ H ₆ - ±500 ppt/s
Sample Flow Rate	7 LPM
Internal System Test	Optional 50 ppm Test
Sampling System Test	Optional 50 ppm Test

Survey Performance

Startup Time	< 120 seconds
Survey Speed	15 to 28* MPH
Passes	3
Wind Operability	Beaufort 0 to 6 (0 to 31 MPH)
Precipitation	Survey Quality Degrades In Heavy Precipitation
Weather Station	Airmar 150 WX
GPS Accuracy	±10 ft (3M)

Mechanical

Size	19" Server Rack, 19" x 12" x 5.2" (483 x 132 x 304 mm)
Weight	17.6 lb. (8 kg)
Mounting & Install	Single Person < 4 Hrs. Supported Vehicle List Available

Electrical

Power Input	12-24 VDC, 5A
Power Consumption	120 W At Start-Up, 60 W During Survey

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	0-98% RH, Non-Condensing

Software

Software	GIS360 & Associated License Options. Instrument Detects Without Active Subscription
Datalogging Rate	4Hz
Tablet Data Storage Capacity	30 GB
Tablet Connectivity	Internal Wi-Fi or Wired
Data Transmission	Internal Cellular
Export Format	Shapefile, CSV, PDF, API Push
Data Ownership	Customer Retains

*Recommended For Survey Accuracy, Higher Speeds Possible

