CONTROL EQUIPMENT
est. 1977 PTY LTD
Gas Detection and Industrial Hygiene

SELMA Duo

Gas Leak Detector With Carrying System

- **Smartphone/tablet application makes gas detector operation simple and intuitive**
- **Above-ground gas detection with sensitivity in the ppm range**
- **Bluetooth data interfaces for reporting export**
- **Extendable probes for all types of surfaces**
- **GPS positioning data to within 50 cm accuracy, even in highly developed areas**
- **Stand-alone wireless controller if your smartphone/tablet is not available**
- **Light weight in your backpack**

OVERVIEW

The SELMA Duo is an unical high sensitive, advance leak detector capable of detecting methane and ethane without false alarming on other gases.

It is also an effective tool for Method 21 emissions leak detection.
Second channel (ethane) avoid from alarm on gas from source like organic decomposition product.

2 in 1 Device: high sensitive vehicle sensor and handheld portable device. This allows you to detect a leak while driving a car and accurately locate it with extendable
probe.

APPLICATIONS

- Pipelines
- Road side
- Pipelines through parks

CH4 C2H6

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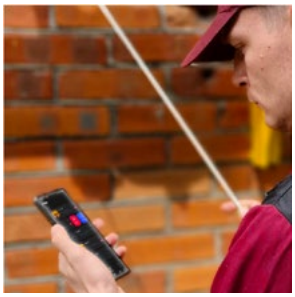
SELMA Duo

Specifications

Principle of Measurement	Tuneable Diode Laser Spectroscopy (TDLS)
Target Gas	Methane (CH4) and Ethane (C2H6)
Measuring Range	0 — 40.000 ppm (METHANE) 0 — 1.000 ppm (ETHANE)
Lowest Detection Limit	≤ 0.30 ppm; ≤ 0.15 ppm with 10 s averaging (METHANE) ≤ 15 ppm; ≤ 10 ppm with 10 s averaging (ETHANE)
Resolution	0.01 ppm
Ambient temp. compensation	–10°C ... +65°C
Target Position	GPS coordinates
Data Output	Online/Recording
Dimensions	520×360×220 mm
Weight	3.7 kg 4.5 kg (with Probe and Power-cable)

Upon request, the SELMA Duo system can be made to detect leaks of the following gases: NH3, CH4, CH4/CO2, C2H2/H2O, HCl.

SELMA Duo main configuration



Stand-alone wireless controller

Waterproof sealed connector

Android OS application

Connection in the trunk

Extendable probe

Installation in the trunk

TDLS Technology

Tunable Diode Laser Spectrometry (TDLS), enhanced by proprietary technology, is used for the measurement of CH4 and C2H6. SELMA Duo allows the measurement of target gas, based on contactless, near-infrared absorption. The modules come with a flow-through cell set-up for extractive measurements and are self-contained.

The proprietary lock-in technology as well as the onboard digital signal processing unit runs algorithms compensating drift phenomena and providing reliable and stable measurements over time as well as enhanced detectivity. SELMA Duo Include an analog and digital data interface as well as digital outputs for state-of-the art industrial connectivity.