GasFinder3-OP (Portable)

Laser Based – Open Path Gas Detector

GasFinder3-OP Highlights

GasFinder3-OP shown mounted on Tilt-Pan Scanner

Large Area Coverage
Measure path lengths from 5 – 500 m (15 – 1,500 ft)

Fast Speed of Response
New and independent result every second

± 2% of Reading Accuracy
Unrivaled performance in all whether conditions

No Intervention + No Calibration
Due to the Internal Reference Cell

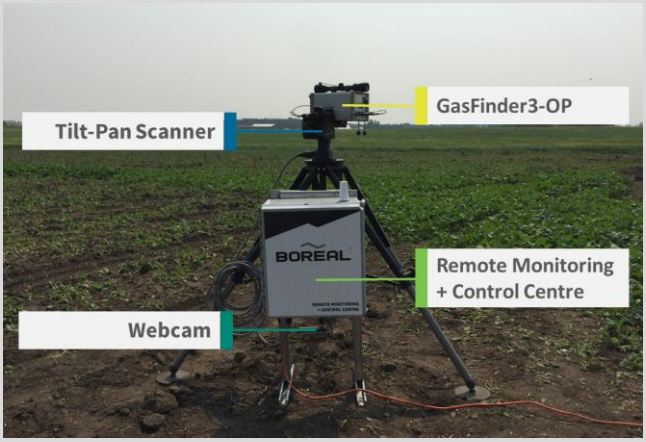
Ideal for Remote Monitoring

Ambient Monitoring / Emissions Estimates
Use with multiple Atmospheric Dispersion Models

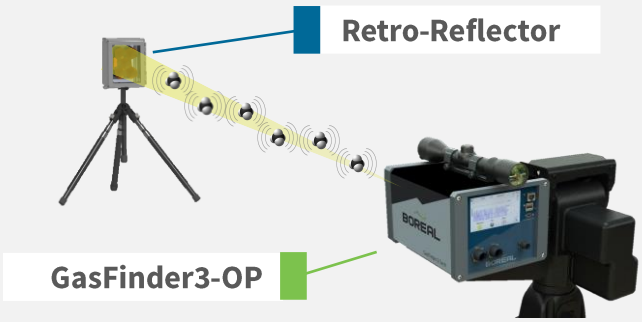
Easily Access Logged Data
Stores 20 years' worth of generated data

Rugged and Robust Design
Operational Temp: -55 to +65°C (-67 to 149°F)

Remote Monitoring Accessories
Communicate & interact with equipment remotely



About Tunable Diode Laser (TDL)



Target Gas Molecules shown passing through and being counted in the Active Measurement Path

Laser Light is the Sensing Element
Class 1 Eye Safe: Near Infrared (NIR) laser light

This Counts Target Gas Molecules
As the pass through the Active Measurement Path

Quantifiable Volumetric Measurement
It knows which gas and how much is detected

No Cross Interference
This only detects the specific target gas of interest

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GasFinder3-OP Components

Alignment Scope + Visible Laser
Easy to obtain and maintain optical alignment

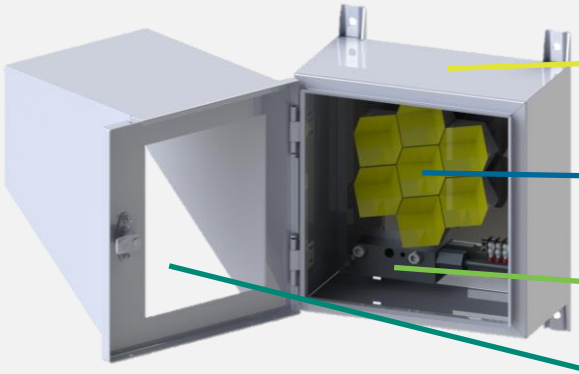
GasFinder3-OP (TDL Analyzer)
Easy to use HMI Touchscreen Interface

Power + Communication
12-24VDC or 120-220 VAC Power Input Options

X-Y Aiming Mount
Provides fine adjustment capabilities

Retro-Reflector Overview

Note: Retro-Reflector Assembly is configured to meet the needs of the individual path and application



The door of the Retro-Enclosure shown open to highlight the components

Retro-Enclosure + Rain/Dust Hood
Stainless Steel or Fiberglass Reinforced Plastic

Retro-Array
Cornercube Retro-Arrays return the Laser Light

Retro-Heater
Stops build-up of condensation on Retro-Window

Retro-Window
Lexan, Mylar, or Teflon keeps the Retro-Array clean

Select your Target Gas

Note 1: Other temperature and detection ranges may be available
Note 2: Detection ranges shown below are at ambient temperatures

HF — Hydrogen Fluoride
HFL: 0.4 - 250 ppm-m
HFH: 1 - 1,000 ppm-m

CO_2 — Carbon Dioxide
CO2L: 120 - 80,000 ppm-m
CO2H: 1,000 - 500,000 ppm-m

HCN — Hydrogen Cyanide
HCN: 8 - 2,500 ppm-m

C_2H_2 — Acetylene
C2H2: 4 - 2,500 ppm-m

H_2S — Hydrogen Sulfide
H2SL: 100 - 100,000 ppm-m
H2SH: 1,000 - 500,000 ppm-m

CO — Carbon Monoxide
COL: 8 - 8,500 ppm-m
COH: 250 - 500,000 ppm-m

HCl — Hydrogen Chloride
HCl: 2 - 2,500 ppm-m

O_2 — Oxygen
O2: 1,000 - 1,000,000 ppm-m

CH_4 — Methane
CH4L: 2 - 8,500 ppm-m
CH4H: 100 ppm-m - 10 LEL-m

NH_3 — Ammonia
NH3L/H: 8 - 6,500/15,000 ppm-m
NH3UH: 0.4 – 100%-m

C_2H_4 — Ethylene
C2H4: 20 - 15,000 ppm-m

H_2O — Water Vapor
Various Ranges Available

Ask your Local Distributor for

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LIVE VIDEO DEMO | **GENERAL ARRANGEMENT** | **DATA SHEETS** | **DETAILED INSTRUCTIONS**

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