



### 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 weather 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

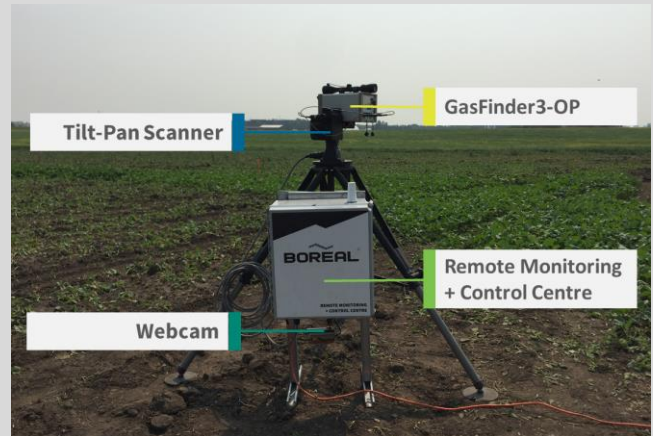
Stores 20 years' worth of generated data

#### Rugged and Robust Design

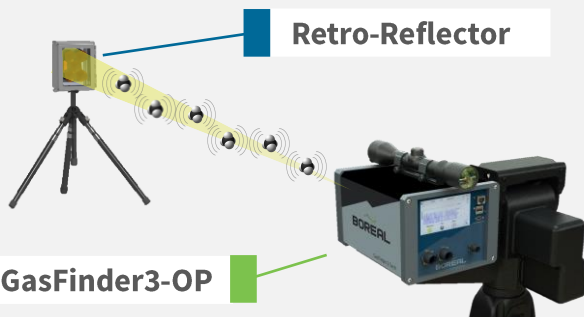
Operational Temp: -55 to +65°C (-67 to 149°F)

#### 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 they 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

# GasFinder3-OP Components

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

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

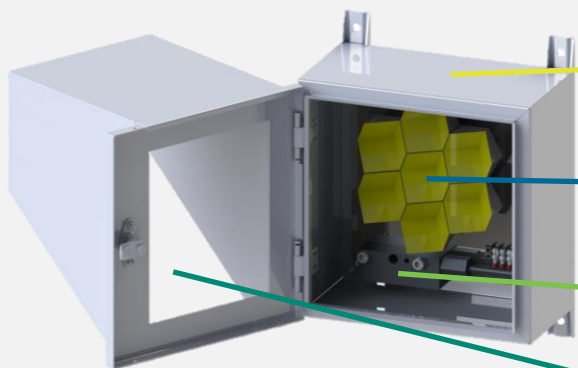
**Power + Communication**  
12-24VDC or 120-220 VAC Power Input Options

**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

**H<sub>2</sub>S**

### Hydrogen Sulfide

H2SL: 100 - 100,000 ppm-m  
H2SH: 1,000 - 500,000 ppm-m

**CH<sub>4</sub>**

### Methane

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

**CO<sub>2</sub>**

### Carbon Dioxide

CO2L: 120 - 80,000 ppm-m  
CO2H: 1,000 - 500,000 ppm-m

**CO**

### Carbon Monoxide

COL: 8 - 8,500 ppm-m  
COH: 250 - 500,000 ppm-m

**NH<sub>3</sub>**

### Ammonia

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

**HCN**

### Hydrogen Cyanide

HCN: 8 - 2,500 ppm-m

**HCl**

### Hydrogen Chloride

HCl: 2 - 2,500 ppm-m

**C<sub>2</sub>H<sub>4</sub>**

### Ethylene

C2H4: 20 - 15,000 ppm-m

**C<sub>2</sub>H<sub>2</sub>**

### Acetylene

C2H2: 4 - 2,500 ppm-m

**O<sub>2</sub>**

### Oxygen

O2: 1,000 - 1,000,000 ppm-m

**H<sub>2</sub>O**

### Water Vapor

Various Ranges Available

## Ask your Local Distributor for

LIVE VIDEO DEMO

GENERAL ARRANGEMENT

DATA SHEETS

DETAILED INSTRUCTIONS

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