



# BOREAL

## GasFinder3-OP (OPEN-PATH)

- All weather field deployable analyzer
- No interference with other gases
- Intuitive data collection and interpretation

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## GasFinder3-OP (OPEN-PATH)



### WHAT IT DOES

- Analyzer provides **continuous and instantaneous results**
- Used to either **detect leaks** or **actively monitor gas concentrations over open area sources**
- Can be combined with weather data and an atmospheric dispersion model to **give an measured emission rate**

### HOW IT WORKS

Our technology **counts every target gas molecule** in the measurement path to give a path integrated ppm-m concentration

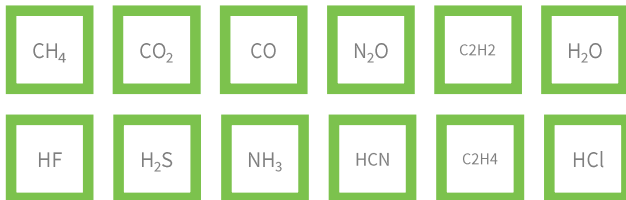
### THE DIFFERENCE

**Measure only the target gas and all of the target gas.** Boreal analyzers do not suffer from cross interference and are not confused by other gases present or are affected by humidity

### GASFINDER3 TECHNOLOGY

- All new **digital/ electronics** based platform
- Analyzer can easily be **updated through USB port**
- **Practically no temperature related reading drift** over an ambient range of -40C to +50C
- **Better sensitivity** and lower minimum detectable limit (MDL) Significantly **increased dynamic range**
- Reliable and stable operation in **light levels down to 5% of ideal conditions**
- Available real-time **Pressure and Temperature compensation**
- User friendly **touchscreen with graphic displays**

### AVAILABLE GASES



\*Contact Boreal for particular gas specifications

### BENEFITS

- **No interference** with other gases
- **No memory effects**
- **Data collection** and **interpretation** is simple and intuitive
- Built for the depths of **winter** and the dog days of **summer**
- **Minimal Maintenance**
- Sophisticated **self-diagnostics**
- Can provide an **independent sample or reading every second**
- **Free** and **unlimited** phone and email support

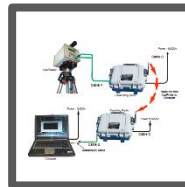
### EASE OF INSTALLATION

- **All-in-one** field mounted analyzer
- The **rugged industrial enclosure** can be mounted on a portable tripod or fixed pedestal
- Can be set-up and **collecting data in minutes**

### SPECIFICATIONS

- **Dynamic Range:** 5 orders of magnitude
- **Response Time:** (Scan Rate) 1 second default (1 sample/sec)
- **Precision:** 2% of reading
- **Path Length:** 0.5m to 750m
- **Light Source:** Semiconductor Diode Laser
- **Typical Laser Output:** ~10mW
- **Eye Safety:** Class I or Class IIIa (ANSI) & FDA/CDRH approved
- **Data I/O Interface Options:** Serial (RS-232/485), Modbus, 4-20mA, USB, Ethernet (Static IP or DHCP)
- **Hazardous Area Classification:** CSA North American Class 1, Div 2, Groups A,B,C,D
- **Weight:** 5.0 kg (11.0 lbs)
- **Dimensions:** (LxWxH): 260 x 200 x 160mm (10.2 x 7.9 x 6.3in)
- **Power Requirement:** 2A @12 VDC (120-240 VAC Optional)
- **Ambient Temperature:** -40°C to +60°C (-40°F to 140°F)
- **Ingress Protection:** IP 65

### ACCESSORIES



WIRELESS MODEM



TILT-PAN SCANNER



3D ANEMOMETER