

The Gas-Explorer II™



- **Faster Response**
- **New User-Friendly Menu**
- **Improved, Internal GPS**
- **Ethane Detection**



**Bascom-Turner
Instruments**

Leading the Way in Safety

The Gas-Explorer II™

The Gas-Explorer II is an accurate, easy to use, intrinsically safe gas detector for all your service needs. Sensitive enough to detect gas down to 20 ppm, versatile enough to read 100% gas by volume, the Gas-Explorer II can adapt to any environment with its three distinct operating modes and optional Oxygen, CO and H2S sensors.



CONDUCT LEAK INVESTIGATIONS IN **MONITOR MODE**

- Measure natural gas in % LEL or % Gas in 1 LEL or .05 % Gas increments. At 100 % LEL the Gas-Explorer II auto-ranges to the % Gas scale.
- See both instantaneous and peak readings on a large backlit LED screen, perfect for overhead and limited access inspection.
- With optional sensors, conduct CO and flue checks, and monitor oxygen in confined space

LOCATE EVEN THE SMALLEST LEAKS WITH **TRACK GAS MODE**

- Use the standard Gooseneck Probe to inspect pipes and conduits for trace and escaping gas.
- Connect a Surface Probe, and use the Gas-Explorer II for area surveys. The highly sensitive Gas-Explorer II can easily detect venting subsurface gas, significantly reducing bar holes.
- At 10,000 ppm the Gas-Explorer II auto-ranges to Monitor Mode.



IF SUBSURFACE INSPECTION IS NECESSARY, STANDARDIZE **BAR HOLE READINGS WITH BAR HOLE MODE**

- Sample readings for a fixed time: factory set for 15 seconds, adjustable up to 90 seconds.
- Displays and records both peak and sustained readings, making it easier to find the source of gas.

Accurate. Reliable. Safe. Tackle any job with the Gas-Explorer II.

STANDARD FEATURES

- Only 1.5 lbs
- Tough, durable, high impact case
- Three button operation, function always labeled
- Audible and visual alarms with mute button
- Automatic pump, auto-zero and calibration safety checks at startup
- Easy to calibrate, stand alone or NCal
- Automatic data logging

OPTIONAL FEATURES

- CO, Oxygen and H2S sensors
- Bluetooth
- GPS
- Ethane



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**Solutions that keep your detectors calibrated and
in compliance while in the field**

BASCOM-TURNER DETECTOR

DOCKS, NCAL & CALIBRATION

**An array of calibration options
to meet your needs**



Calibrating your gas detectors has never been easier with Bascom-Turner's Docking Stations. Simply insert the unit into the calibration station and in two minutes:

- **Calibrate** all sensors
- **Clean** the methane sensor
- **Update** the software
- **Download** data onto your network

Configuration Data MainMenu Calibration Calibration History by Unit ID

Calibration History by Unit

Friday, January 20, 2023 3:42:48 PM Page 1 of 1

Lookback (months): 12
Unit ID: 391
Unit Serial Number: 2235-001605
Unit Model Number: EGA-612
Assigned to Person/Truck: PETER

Exit Report

Date Calibrated	Time	Pmp OK	LEL Bef	LEL Aft	O2 Bef	O2 Aft	CO Bef	CO Aft	Gas Bef	Gas Aft	H2S Bef	H2S Aft	Dock #
1/20/2023	9:53 AM	Y	49	50	20.9	20.9	108	100	96	100	13	10	16
12/22/2022	1:16 PM	Y	50	50	20.9	20.9	105	100	100	100	11	10	16
11/18/2022	2:51 PM	Y	50	50	20.9	20.9	103	100	103	100	7	10	16
10/25/2022	12:14 PM	Y	51	50	20.9	20.9	107	100	93	100	12	10	10

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With NCal4Access you can:

- **Download** field and calibration data
- **Generate** calibration reports
- **Manage** calibration e-mail reminders
- **Customize** email reports for *calibration due, overdue or failure;*
- **Monitor** calibration tanks for low volume

Reports and data can be accessed and generated from any networked PC with NCal4Access installed.

Calibrate all sensors with a single tank of gas while in the field with Bascom-Turner's One-Gas Calibration System. Onscreen prompts walk operators through the calibration – total time is less than three minutes.

The last 24 calibrations are stored in the unit, and data can be retrieved via PC or docking station.



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Norwood, MA 02062



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Leading the Way in Safety

**Solutions that expand the functionality of your
Gas-Explorer II and Gas-Rover II Instruments**

GAS-ROVER II & GAS-EXPLORER II

ETHANE DETECTION

**Confirm the origin of natural gas
in the field without expensive and
time-consuming chromatographs**

When the origin of natural gas is unknown an off-site lab is traditionally where field samples are analyzed.

Yet, with the Ethane Detection option, samples are analyzed in the field in a matter of minutes using your Gas-Rover II or Gas-Explorer II instruments that will verify the presence or absence of ethane.

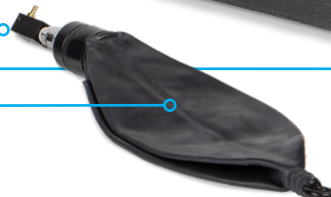


The process is simple and automatic.

Simply follow onscreen prompts, collect a sample, and in approximately two minutes, samples containing as little as 50 ppm of ethane can be detected.

In addition to specialized software for Rovers and Explorers equipped with Ethane Detection, the **Ethane Detection Field Kit** includes:

- Quick connect adaptor
- Ethane sample collection adaptor
- Five ethane cartridges
- A 1L rubber sample collection bag



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**Solutions that increase your detectors' functionality
and field capabilities**

GAS-ROVER II & EXPLORER II

GPS & BLUETOOTH

**Integrated GPS and Bluetooth
without any hassle**



GPS and Bluetooth are available on all Bascom-Turner detectors.

GPS-equipped detectors capture position data along with date and time stamped readings data. Bluetooth allows for easy, fast and wireless data transfer at docking stations, PCs and other Bluetooth enabled devices.



GPS measurements are accurate within 2.5 meters in real time.

- 3-6 months of data can be stored on a detector's internal memory
- Data can be easily retrieved with DataLink or NCal4Access
- GPS data can be displayed on Google Earth with a click of a button, or exported for integration with third-party mapping software

Bluetooth units have a communication range of 30+ feet, perfect for providing a real-life training simulation with the Bascom-Turner Wireless Trainer or streaming data to Bluetooth enabled devices.

Bluetooth units can wirelessly communicate with NCal docking stations, eliminating the need for USB cables.



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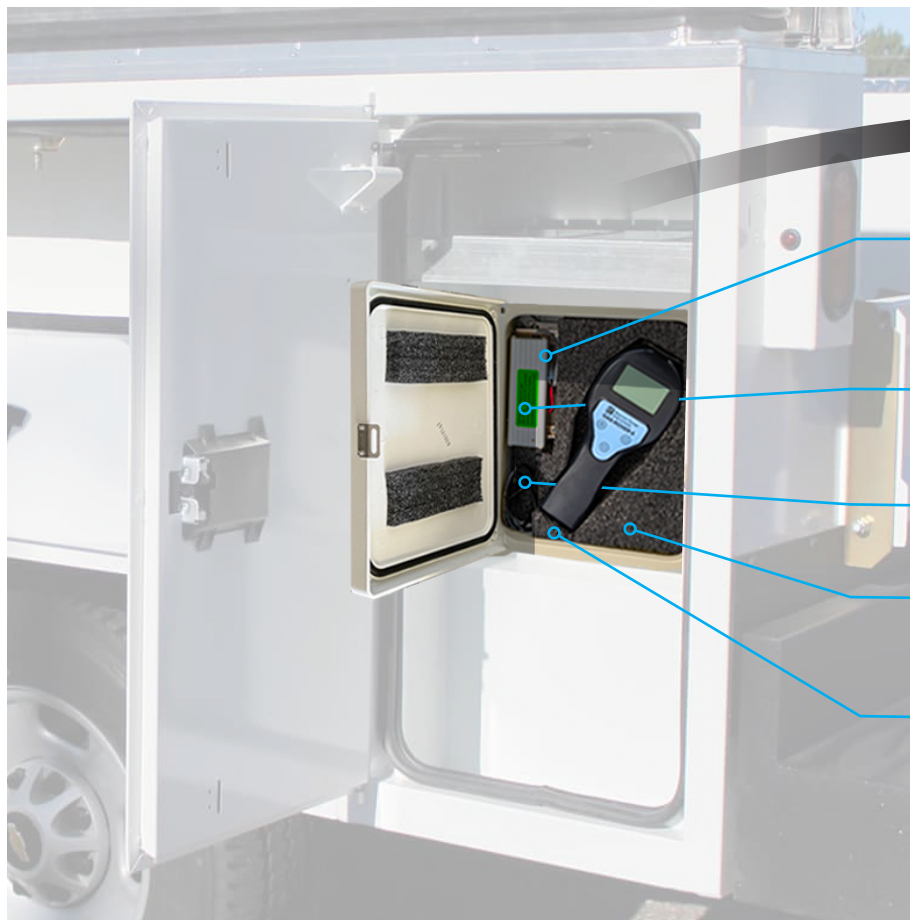
Leading the Way in Safety

**Solutions to keep your detectors going strong and
maximize your operators' time in the field**

GAS-ROVER II & GAS-EXPLORER II

MOBILE CHARGING SYSTEM

**The Perfect Solution for a
Growing Mobile Workforce**



The Mobile Charging System (MCS)

is the perfect solution for maintaining proper battery charge and peak instrument performance in the field.

The MCS is wired to the vehicle's 12V circuit.

No additional batteries or equipment are required. MCS installation takes a little as one hour

Simply connect the supplied USB cable and the charging system activates.

The MCS includes a rugged NEMA case fitted with cut foam insert for protective storage when not in use.

Bascom-Turner's Gas-Rover II and Explorer II utilize rechargeable batteries for an environmentally friendly solution. ROI vs alkaline batters, 1 year.

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Description

Model 1,2,3

Natural Gas Survey Detector.....	EGI-201 or 211
Natural Gas & CO Survey Detector.....	EGC-301 or 311
Natural Gas & Oxygen Survey Detector.....	EGO-321 or 322
Natural Gas, CO & Oxygen Survey Detector.....	EGA-411 or 412
Natural Gas, CO, O ₂ and H ₂ S Survey Detector.....	EGA-611 or 612

Each detector has a built-in pump and comes with A-CAL and N-CAL firmware, metal gooseneck probe (GP-514), a pack of water block filters (WF-705), set of batteries, carrying case (IC-501), and operating manual.

A-CAL firmware automatically calibrates a detector using Bascom-Turner calibration gas. D-CAL firmware allows calibration and record keeping at network or stand-alone docking stations.

All readings are automatically digitized and stored in on-board memory.

DATALINK™ software, provided with each unit can be used to download, through a USB interface, calibration data, readings, and reports. Each unit automatically stores the last 24 calibrations.

A TRACK GAS mode in all models displays GAS as PPM. A BAR HOLE mode automatically provides peak and sustained readings. GPS & Bluetooth™, and Ethane Detection options are available.

Unit Specifications and Typical Performance

Sensors	Dual Catalytic Combustion (CH ₄) Thermal Conductivity (CH ₄) Electrochemical (CO) (H ₂ S) Electrochemical (O ₂)	Resolution	20 ppm from 0 to 10,000 ppm CH ₄ 0.05 vol % from 0 to 5 vol % CH ₄ 1.0 vol % from 5 to 100 vol % CH ₄ 1 ppm CO / H ₂ S 0.1 vol % O ₂
Calibrated Accuracy (5° to 45°C)	±2% (20PPM) for PPM scale ±.1% LEL for % LEL scale ±2% GAS for % GAS scale ±5% of reading ±5 PPM for CO (±10% above 1,000 ppm) ±.2% of vol % O ₂	Operating Modes	Track Gas Monitor Bar Hole Purge Ethane (optional)
Warm-Up Time	60 seconds	Humidity	0 to 95% RH (non-condensing)
Operating Temperature	-20°C to 40°C (0°F to 105°F)	Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Operating Time	12 hours, typical (25°C) per Battery Set	Power Supply	Two C-size rechargeable Batteries (NiMH)
GPS	Horizontal resolution 2.5m Max update rate 10Hz	Bluetooth	Transmit Class 2, 10m range Certified to FCC regulation
Intrinsic Safety (MET Labs)	Class 1, Div.1, Groups C&D, T4	Unit Weight	1.5 lb. (0.68 kg)

1. Models 211, 311, 322, 412, and 612 display all gas readings as % GAS. Models 201, 301, 321, 411 and 611 additionally display gas readings as % LEL.

2. The Gas-Explorer™ is warranted for one year. Accessories are warranted against defects in materials and workmanship. Warranties do not apply to detectors damaged by accident, abuse, modification, or misuse. Bascom-Turner will repair or replace products under the warranty provided they are returned to Bascom-Turner at the owner's expense. No other warranty is expressed or implied. Bascom-Turner is not liable for consequential damages.

3. These instruments measure the concentration of natural gas in air and give an indication of the presence of other combustible gases. They constitute one element for assessing safety, or lack thereof, of a particular atmosphere. **However, they must not be relied upon by themselves for judging safety; all other significant factors must be taken into account.**



Calibrated Ranges	20 to 10,000 ppm methane 20 ppm resolution 0 to 100 % volume methane 0.05% resolution
Sensors	Methane (Dual Catalytic/Thermal) CO, H ₂ S, O ₂ (Electrochemical)
Operating Modes	Monitor, Track Gas, Bar Hole, Ethane
Calibration	N-Cal Dock or A-Cal Stores last 24 calibrations
Data Storage	Automatic data logging 2-3 months, time, date, mode of operation readings

Bascom-Turner Instruments, Leading the way in Safety...

For nearly forty years, Bascom-Turner Instruments has been the leader in gas detection technology. Detectors are designed and built in our Norwood, Massachusetts manufacturing facility. At Bascom-Turner, we recognize that the most important part of our business is our relationships with customers. Our customer service staff is friendly and knowledgeable, and you will always get a real person—not a machine—when you contact our offices.

Call 800-225-3298 today to see how working with Bascom-Turner can save you time and money.



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