



**Bascom-Turner
Instruments**
Leading the Way in Safety

**Over 40 years of gas detection leadership,
safety, and innovation**

GAS-EXPLORER II

**The most versatile and ergonomic
leak detection tool available**

The Gas-Explorer II is an accurate, easy-to-use, intrinsically safe gas detector for all your service and construction needs. Sensitive enough to detect gas down to 20 ppm, and 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 CO, O₂ and H₂S sensors.

Instrument highlights include:

- 20 ppm Methane Sensitivity
- 0 ppm to 100% Gas
- 10+ Hours Operating Time
- Quick and Automatic Calibration
- Lightweight, Ergonomic Design
- Multi-Gas Detection
- Data Logging and Streaming
- Standard Plug-in Charging
- Optional GPS, Field Ethane Detection and Daily Operations Check Program



BASCOM-TURNER INSTRUMENTS

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GAS-EXPLORER II

DESCRIPTION, SPECIFICATIONS AND TYPICAL PERFORMANCE

| Description | Model ^{1,2,3,4} |
|---|--------------------------|
| 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 |
| Networked Calibration Station..... | NDS-111 or 112 |

Each detector comes with A-CAL and D-CAL firmware, metal gooseneck probe (GP-514), pack of water-block filters (WF-705), set of rechargeable NiMH batteries with USB charging cable and brick, 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 can be used to extract calibration data and readings from the detector, and to generate reports. Each unit automatically stores the last 24 calibrations. GPS, Wireless Communication, and Ethane Detection options are available at additional cost. All models are Intrinsically Safe Class I, Division 1, Groups C&D, T4, UL913.

Unit Specifications and Typical Performance

| | | | |
|---|---|-------------------------------|---|
| Sensors | Dual Catalytic Combustion (CH ₄ PPM) Catalytic Combustion (CH ₄ 0 to 5%) Thermal Conductivity (CH ₄ 5 to 100%) 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 35°C) | ± 2% of reading ± 20 PPM to 10,000 PPM ± 2% LEL or 0.1% GAS to 5% GAS ± 2% GAS from 5% to 100% GAS ± 5% of reading ± 10 PPM for CO ± 5% of reading ± 1 PPM for H ₂ S ± 0.2% 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 | 10 hours, typical (25°C) per full charge (4-6 hours) | Power Supply | Two C-size rechargeable Batteries (NiMH) or alkaline |
| GPS | Horizontal resolution 2.5m Max update rate 10Hz | Wireless Communication | Transmit Class 2, 10m range Certified to FCC regulation |
| Data Logging | 6+ months, automatic | Unit Weight | 1.5 lb. (0.68 kg) |

- 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.
- 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.
- 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.**
- Calibration stations can be networked or stand-alone based on needs and company's requirements.