

# GasID™

## PORTABLE GAS & VAPOR IDENTIFIER



### Feature Highlights

- **Identifies unknown gases and vapors in seconds**
- **No user calibration required**
- **Easy to use in Level A gear**
- **Can identify over 5,500 gases and vapors**
- **ReachBack, 24/7/365 technical support**

When a Response team is called upon to deal with a potentially dangerous or toxic gas, the first and most crucial question is: "What are we dealing with?" The GasID answers this question in minutes.

The GasID is a highly specific tool that measures how gases and vapors interact with infrared light.

To obtain a gas or vapor chemical identification, the GasID's compact sample collection device is carried down range into the hotzone and allowed to run for 10 minutes. Once the gas or vapor is collected, the sample cell is detached from the pump, passed through the decon line, and then connected to the GasID system for analysis. Users are then walked step-by-step through a touch-screen analysis process.

Once the GasID analyzes the unknown, it instantly compares the results against database libraries to provide an identity.

Database libraries include:

- WMD—nerve & blister agents
- NIST/EPA Gas-Phase Infrared Database
- Pacific Northwest National Lab Toxic Industrial Chemicals

# Technical Data **GasID**

## General Specifications

Technology	Fourier-Transform Infrared Spectroscopy
Weight	25 lbs. (11.34 kg)
Size	17 1/2" x 12" x 7 1/2" (44.4 x 30.5 x 19 cm)
Sample Collection	Preconcentrated Sorbent Tube and Pump assembly or optional Tedlar™ bag interface
Environmental Features	The beam splitter uses a ZnSe substrate which is resistant to environmental conditions encountered in the field.
Operating Ranges	Operational in extreme weather and temperatures ranging from 19°F to 122°F (-7°C to 50°C). Humidity ranging from 0-80% non-condensing.
User Interface	The GasID software is a streamlined, touch-screen application, specifically designed to be easy to use but very powerful in its capability. An identification for an unknown simply requires the user to advance each screen as it is presented. Network enabled. Requires security authorization to access. Windows® operating system.
Controller	Touch-screen embedded system Finger or Stylus control
Power	Internal battery or mains Computer battery (rechargeable Li ion) runs for 2 hours Heater battery (rechargeable Li ion) Pump battery (rechargeable NiCd) runs for 10 hours
External Data Storage	Full USB support Flash devices Floppy drives CD-Rs
Input/Output Devices	Mouse and keyboard compatible Ethernet capable

The GasID™ is intended to provide initial determinations and be used as an information resource in the field and not absolute or conclusive identification of unknown substances. The results provided by the GasID should be verified by using other appropriate techniques. Smiths Detection makes no recommendations nor does it assume any liability for how the information is utilized.



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