smiths detection
bringing technology to life

GasID™
PORTABLE GAS & VAPOR IDENTIFIER

Feature Highlights

- **Identifies unknown gases and vapors in minutes**
- **No user calibration required**
- **Easy to use in Level A gear**
- **Identifies over 5,500 gases and vapors**
- **24/7/365 ReachBack™ service**

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.

Using its extensive on-board libraries, spectral matching makes it possible for the GasID to rapidly identify thousands of chemicals on the basis of their distinct molecular fingerprint.

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 ½" x 12" x 7 ½" (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) runs for 2 hours Heater battery (rechargeable) Pump battery (rechargeable NiCads) 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

Preconcentrated Sorbent Tube and Pump assembly.

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