

HGVI™ (Hazardous Gas and Vapor Identifier)

HAND-HELD, MULTI-SENSOR TIC AND CWA DETECTOR AND IDENTIFIER



Feature Highlights

- **Multiple sensors (orthogonal techniques) working together in one instrument**
- **Utilizes a non-radioactive IMS source**
- **Rugged and lightweight**
- **Easily decontaminated**
- **Identifies a broad range of CWAs and TICs (from the ITF-25 list of High and Medium Hazards)**

The HGVI utilizes advanced software combined with multi-sensor technology to reduce false positives, increase accuracy, and build confidence in results. It is ideal for events in which the source of vapor or gas is in question or is not directly accessible.

The HGVI is driven by advanced H-Fusion™ Decision Enhancement Software designed to analyze data collected from three versatile sensor technologies built on:

- Ion Mobility Spectrometry (IMS)
- Photoionization Detection (PID)
- Taguchi Gas Sensors (TGS)

The HGVI is the only hand-held instrument capable of rapid detection, identification and quantification of TICs and CWAs, and it switches automatically between these modes. Designed in cooperation with First Response teams, the HGVI is simple to operate in Level-A gear and in any environment. Weighing only 7.5 pounds (3.4 kg), the HGVI is easily carried or ported by its shoulder strap.

The HGVI is backed by first rated service, training and support to ensure optimum product performance.

Smiths Detection is a leading worldwide provider of government regulated technology products and advanced services that aid in the detection and identification of chemical, biological, radiological, nuclear and explosive (CBRNE) material and other dangerous or illegal substances.

Technical Data **HGVI™ (Hazardous Gas and Vapor Identifier)**

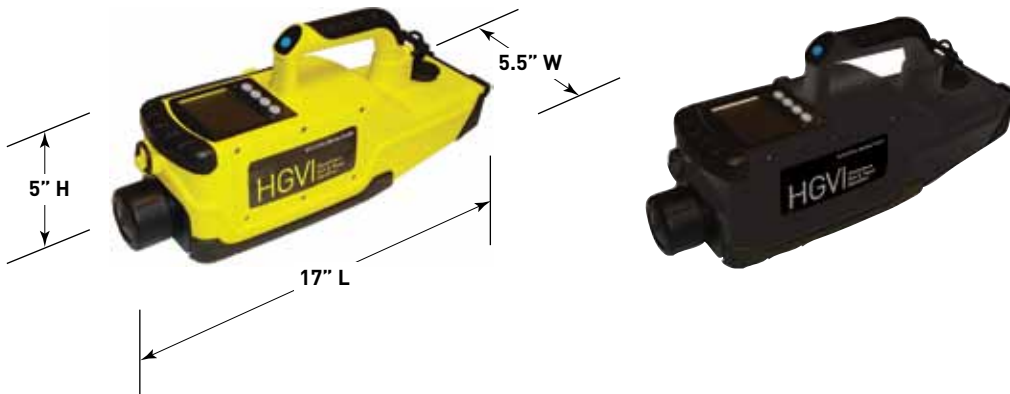
Additional Features

The optional LINX™ Wireless Communications Kit enables multiple HGVI readings to be transmitted out of a hotzone to a single control center, via remote monitoring technology. LINX utilizes wireless RF modem technology and enables up to 16 HGVI systems to be networked.

LINX Wireless Communications Kit includes a standard Windows PC computer (typically a laptop) equipped with an external RF modem and LINX software.

General Specifications

Technologies	Dual-channel Ion Mobility Spectrometry (IMS), Photoionization Detection (PID), and an array of Taguchi Gas Sensors (TGS)
IMS Source	Non-radioactive corona discharge
CW Agents Detected and Identified	Nerve, Blister, Blood and Choking agents
TIC Agents Detected and Identified	High and Medium Hazard materials from the ITF-25 list
Radiation Detected	Gamma
Operating Mode	Detects, identifies and then monitors in a single mode
Alarm Modes	Audible, Visual, and Vibrate
Weight	7.5 lbs (3.4 kg)
Size	17" x 5.5" x 5" (not including the handle) 43.2 x 14 x 12.7 cm (not including the handle)
Power	Rechargeable Lithium Ion battery System operates for 8 hours on 1 fully-charged battery 18 V DC; 110/240V AC Cigarette lighter power adaptor
Input/Output Devices	USB interface
GPS	Integrated to facilitate incident location
Operating Ranges	Operates in extreme weather Temperature range -14 to 104°F (-10 to 40°C) Relative Humidity range 15 to 90% (at 20°C)
Display	Easy-to-see LCD screen with an integrated light sensor that automatically adjusts the backlight based on lighting conditions
Wireless Communication	RF modem technology
Options	HGVI LINX wireless communications kit (<i>not available in some countries</i>) HGVI System is available in yellow or black



For product information, sales or service, please go to www.smithsdetection.com/locations

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