

HazMatID™ 360

ADVANCED PORTABLE FT-IR CHEMICAL IDENTIFIER



Feature Highlights

- Provides results in less than 2 minutes
- Enhanced mixture analysis and classification tools for complex or contaminated mixtures
- Offers customization of library for adding local substances for mission assurance
- Detects the presence of significant protein content, including BWAs
- Large screen and software tools allow for spectra review, sample comparison and ease of operation

The HazMatID 360 uses Fourier-Transform Infrared Spectroscopy and an extensive onboard spectral library to rapidly identify solid and liquid chemicals based on their distinct molecular fingerprint.

HazMatID 360 features mixture analysis which allows effective chemical assessment of samples that may have been contaminated with more than one material, like water or dirt. Mixture analysis, combined with chemical hazard classification capabilities enables advanced data handling and comprehensive analysis using ruggedized FT-IR in the field.

The HazMatID 360 has built-in Bluetooth wireless communication to allow for immediate data transmission out of the hot zone to a command center and/or ReachBackID™ support services to aid with information integration prior to decon.

The HazMatID 360 includes PEAC® decision support software, which provides users

with detailed information regarding the management of hazardous chemicals.

The HazMatID 360 is capable of identifying over 32,000 substances including:

- WMD - nerve & blister agents
- Toxic industrial chemicals
- White powders
- Explosives & clan Lab precursors
- Drug precursors
- Common chemicals
- Forensic drugs
- Pesticides

The HazMatID 360 is backed by first rate 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 **HazMatID 360**

General Specifications

Technology	Fourier-Transform Infrared Spectroscopy
Weight	10.43kg (23 lbs)
Size	44.4 x 30.5 x 19cm (17.5 x 12 x 7.5in)
Sample interface	Diamond sensor
Environmental features	The system is waterproof to allow it to pass through the decon line The beam splitter ZnSe substrate which is resistant to environmental conditions encountered in the field
Operating ranges	Operational in extreme weather and temperatures ranging from -7°C to 50°C (19°F to 122°F). Humidity ranging from 0-100%
User Interface	Touch-screen application Network enabled. Requires security authorization to access. Windows® operating system
Controller	Touch-screen embedded system Finger or Stylus control
Power	Removeable battery, mains or cigarette lighter External battery charger Battery runs for 2 hours Charge time is 3 hours
External data storage	Full USB support, Flash devices, Floppy drives, CD-Rs
Input/output devices	Mouse and keyboard compatible Ethernet capable

Available Options

ExtractIR	Removes chemicals from aqueous solutions for improved identification
Wireless capability	Bluetooth 2.0+ EDR Class 1 Standard, Up to 3 Mbps transfer rate 2.402 ~ 2.480 GHz Frequency, Indoor and outdoor capability
Libraries	Additional spectral libraries are available
ClearSampler™	ATR/FTIR surface sampling accessory for decon verification, explosives analysis and hazardous materials assessment



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

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