smiths detection

bringing technology to life

HazMatID™ 360
ADVANCED PORTABLE FT-IR CHEMICAL IDENTIFIER

The HazMatID 360 uses Fourier-Transform Infrared Spectroscopy and an extensive on-board 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 ReachBack™ 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 substance 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	23 lbs. (10.43 kg)
Size	17 ½" x 12" x 7 ½" (44.4 x 30.5 x 19 cm)
Sample interface	Diamond sensor
Environmental Features	The system is waterproof to allow it to pass through the decon line. 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 0-100%
User Interface	The HazMatID 360 software is a streamlined, touch-screen application. Specifically designed to be easy to use but very powerful in its capability, a complete identification of 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	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 capabiltiy	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

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