

THREAT ID

Hazardous Materials & Chemicals Identifier Comparison



Specifications	Threat ID	HazMatID Elite	Gemini	MX908
Sample Types	Gas, Liquid, Solid	Liquid, Solid	Liquid, Solid	Trace
Spectral Library Sizes	23,000 Liquids/Solids & 5,500 Gases	10,000 Liquids/Solids	13,000 Liquids/Solids	> 400 Target Chemicals
On-Board Chemical Hazard Database	ThreatAssist (23,000 chemicals)/NIOSH	NIOSH	NIOSH	ChemWiki
Reachback	Email, Internet, Phone, Remote, Viewing & Control	Email, Phone	Email, Phone	Email, Phone
Saturation Risk	Low	N/A	N/A	High
Ease of Use	High	High	Medium	Low



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Size	14 x 10.6 x 6.12 in	10.63 x 5.63 x 3.13 in	10.1 x 5.7 x 2.4 in	11.8 x 8.5 x 4.8 in
Weight	14 lbs.	5 lbs	4 lbs	9.5 lbs
Detection Method	FTIR	FITR	FTIR/Raman	HPMS
Gas Capability	Yes, Gas/Vapor down to 25ppm	No	No	Near Trace
Display	10 in. Backlit Touchscreen	4.3 in. LCD	4.3 in. Touchscreen	5 in. Backlit Screen
Power Requirement	Lithium ion battery; 4 hr + Hotswap	Lithium ion battery; 4 hr	Lithium ion battery; 4 hr	Lithium ion battery; 2 hr + Hotswap
Ruggedness	Waterproof, Dust, Shock, IP67	Waterproof, Dust, Shock, IP67, Mil-810-G	Waterproof, Dust, Shock, IP67, Mil-810-G	Splash, Dust, Shock, IP54
Remote Viewing/Control	Yes	Yes, for an additional fee	No	No
Alarms	Visual	Visual	Visual	Audible & Visual
Operating Conditions	-20 to 50°C (-4 to 122°F); 0 to 100% RH	-20 to 50°C (-4 to 122°F); 0 to 100% RH	-20 to 50°C (-4 to 122 F); 0 to 100% RH	0 to 50°C (32 to 122°F)
Connectivity	USB, WiFi (Hotspot), Bluetooth, Ethernet	USB, Wireless	miniSD	USB
Reachback Service	24/7/365 Email, Phone, Remote Control & Viewing	24/7/365 Email, Phone	24/7/365 Email, Phone	24/7/365 Email, Phone
Camera	Yes (Sample Positioning)	No	No	No

Emergencies: 24/7/365
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