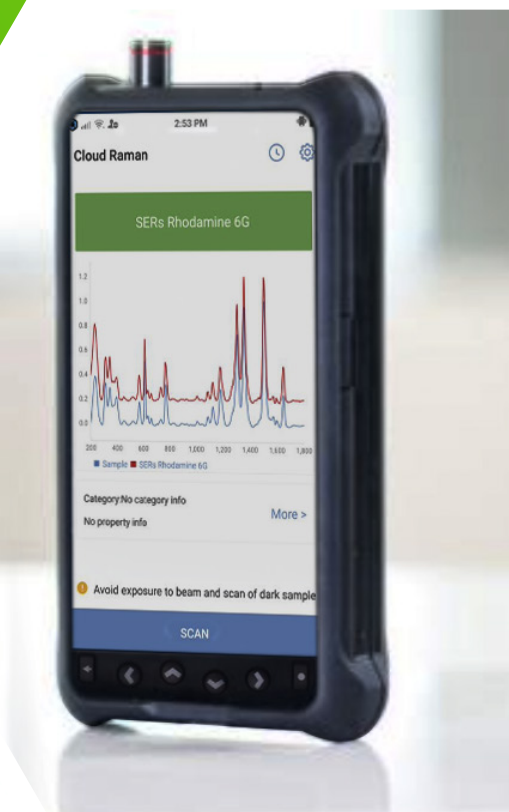


HYPER MICRON

EH-IDENTIFIER



EH-IDENTIFIER

The EH-Identifier is the world's leading handheld Raman spectrometer that detects and identifies, with laboratory-grade quality, contraband substances. With the improved wavelength of 1064nm, the EH-Identifier gives spectra that are not affected by fluorescence, providing more accurate results than products using 785nm. This also helps to detect substances through translucent packaging.

ADVANCED FUNCTIONALITIES AND ERGONOMIC DESIGN

The EH-Identifier possesses advanced functionalities compared to similar Raman products on the market including detection and analysis time of just under a minute, compact and ergonomic size and weight and ruggedization of IP68 and shock-proof MIL-STD-810G. The EH-Identifier took inspiration from the design of a smart phone, with easy-to-use touchscreen and physical buttons to be as user-friendly as possible. Such design has been proven to be suitable and effective for on-site field detection, where quick result and ease of use are prioritized.

IN-DEPTH LIBRARY

The EH-Identifier can identify more than 4.500 substances including: narcotics, precursors, explosives, cutting agents, pharmaceutical drugs, chemical warfare agents, industrial chemicals, household chemicals and other chemicals. The EH-Identifier includes mixture analysis to identify dangerous and illicit substances in real world samples. In addition, users can add chemicals to its library as well as purchase customisable libraries to suit their needs.

Hypermicron Pte Ltd Address: 68 Circular Road, #02-01, Singapore (049422)

Email: admin@hypermicronsg.com Tel: (+65) 3138 1666 Working hours: 9am – 6pm

Specifications

Description	Handheld raman spectrometer The EH-Identifier identifies unknown substances in solid, powder and liquid form and can identify through translucent containers
Laser (Excitation Wavelength)	1064 nm
Spectral range	200 - 2500 cm^{-1}
Spectral resolution	8 - 12 cm^{-1}
Laser power	460mW, adjustable in 10% increments
Battery life	5 hours
Battery	Li-ion battery
Display	Detailed analysis of chemicals: Name, CAS number, NFPA safety information, Alert level symbol
Detector	InGaAs
Chemical Identification	< 1 minute
Camera	6MP
Language	English, Vietnamese, French, Chinese, Japanese
Operating Temperature	-10 - 50°C
Ruggedization	IP68, MIL-STD-810G
Weight	1.68 kg
Dimensions	22 x 10 x 7 cm
Data formats	.pdf, .txt, .csv
Connectivity	Wi-Fi, USB
Software	Yes

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