

EZRAMAN-H

HANDHELD RAMAN ANALYZER

The EZRaman-H is a high performance handheld Raman analyzer for rapid material identification and verification in a cGMP environment. Applicable uses include raw materials identity verification, inspection of intermediate and final products, process troubleshooting, and counterfeit detection.



Simply put: the EZRaman-H Analyzer is easy to use. The non-invasive point-and-shoot sampling facilitates rapid discovery, identification and ID verification of a broad range of chemical compounds. This particular model is designed to meet the requirements of current good manufacturing practices (cGMP) and 21 CFR Part 11-compliant environments with full IQ/OQ/PQ documentation.

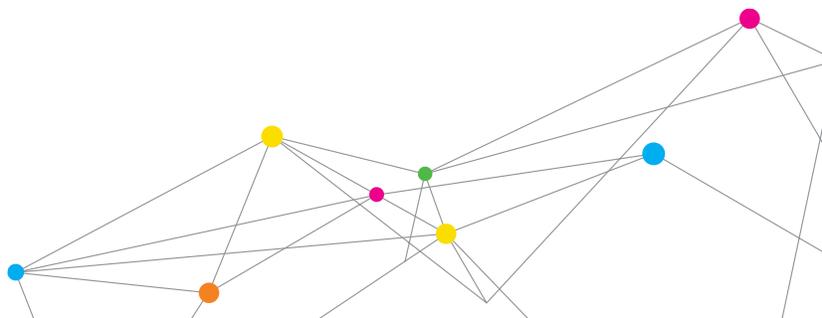
The EZRaman-H is a rugged, and powerful handheld Raman analyzer and is an ideal choice for pharmaceutical, industrial chemicals, and other applications requiring a high performance and affordable handheld Raman analyzer.

Features

- + Fast and accurate material ID
- + Built-in calibration
- + Simple to add compounds to instrument library
- + Easy calibration transfer to other EZRaman-H analyzers
- + Easily operated by non-technical staff, lower operating costs
- + Point and click operation
- + Measures samples through transparent containers, reduces potential contamination and personal exposure
- + Supports 21 CFR Part 11 and cGMP compliance, automatic documentation

Applications:

- + Incoming raw materials identification
- + At-line sampling and final products inspection
- + Counterfeit identification



SPECIFICATIONS

EZRAMAN-H HANDHELD RAMAN ANALYZER

Performance and Physical Characteristics	
Laser Wavelength	785 nm
Laser Max Power	300 mW
Spectrograph Ranges	250-2350 cm^{-1} 100-2700 cm^{-1}
Nominal Resolution	$\sim 6 \text{ cm}^{-1}$
Operating CCD Temperature	Room temperature
Spectrometer f/#	1.6
Power	+ Rechargeable lithium battery + > 4 hours operation + 110/220 V DC power supply
Physical Dimensions	9.2" x 4" x 8.8" (L x W x H), 4.2 lbs
All TSI ChemLogix hand-held Raman instruments have dedicated software that is application driven. Options available include an integrated barcode scanner, CFR Part 11 Compliance Support Software, life cycle development documentation including IQ/OQ/PQ and vial and tablet holders.	



Specifications are subject to change without notice.

Appropriate safety guidelines should be followed when operating this instrument. Complies with 21 CFR 1040.10 and 1040.11

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USA	Tel: +1 800 874 2811	India	Tel: +91 80 67877200
UK	Tel: +44 149 4 459200	China	Tel: +86 10 8219 7688
France	Tel: +33 1 41 19 21 99	Singapore	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		