



CDI 1M THE ULTIMATE PORTABLE DRUG DETECTION SYSTEM

A cost-effective and easy-to-use drug detection system, designed for the field law enforcement professional

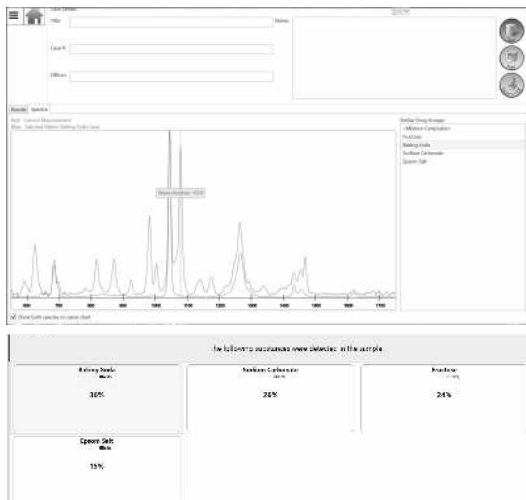
SPECIFICATIONS

CDI 1M combines the quality of a benchtop Raman spectrometer with ruggedness, portability, and autonomy needed for fieldwork.

CDI 1M is specially built with the law-enforcement use in mind. It can quickly detect unknown substances like narcotics, prescription drugs, explosives, poisonous, etc. CDI 1M is equipped with a battery for 10-hours autonomous use and enclosed in a protective case capable of surviving even the harshest environments.

Main Highlights

1. Detects up to 4 compounds and their relative percentage within the mixture
2. Detection of substances that are as little as 10% from overall mixture
3. Measurement time is less than 15 seconds
4. Measurements through transparent packaging (e.g.: baggies, packages, evidence bags, blisters, glass ampoules)



Detection of four components in a mixture in less than 15 seconds



Measurement through transparent packages



Main Features

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|-----------------------|---|
| Versatile | Detects a wide range of chemical substances: <ul style="list-style-type: none">• Narcotics and pharmaceuticals• Plastics and polymers• Explosive compounds• Toxic agents |
| Extensible | <ul style="list-style-type: none">• 3,600 pharmaceuticals• 200 narcotics/cutting agents• Seamless library update• User-friendly and easy-to-use way to add spectra |
| Fast | <ul style="list-style-type: none">• No sample preparation• Results are ready in about 15 seconds |
| Cost-effective | <ul style="list-style-type: none">• No consumables• 24,500 USD incl. VAT |
| Coherent | <ul style="list-style-type: none">• Easy to use• Clear reports• Transparent measurement history• No or little training required |

Specifications

Weight	11kg / 24.25lb
Dimensions	45 x 29 x 10.5cm / 18 x 11.4 x 4.2in
Libraries	- 3,600 pharmaceuticals - 200 narcotics/cutting agents - Coda Devices and S.T. Japan libraries
Export data format	CSV, Excel© Spreadsheets, PDF
Data transfer	USB
Battery time	10 hours, charging from home and car socket
Operating temperature	-10°C - +40°C / 14°F to 104°F
Software languages	English, Russian, Chinese, Spanish, Portugal, Vietnam, Thai
Spectral range	500 - 1,800 cm ⁻¹ / 300 - 2,900 cm ⁻¹
Spectral resolution	6 - 8 cm ⁻¹ / 8 - 9 cm ⁻¹
Laser wavelength	785 nm ± 0.5 nm
Analyzed square	1.5 mm ²
Production	California, USA or Moscow, Russia

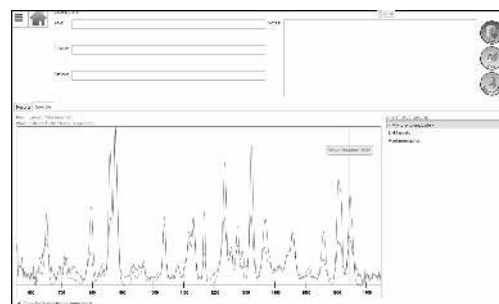
Company and Technology

Coda Devices is an international company founded in 2015 with the single purpose of developing and manufacturing Raman-based solutions for analyzing the chemical composition of substances. Coda Devices headquarter is located in Menlo Park, California as well as the US production facilities. R&D centre along with local production situated in Moscow, Russia.

CDI 1M is based on Raman spectroscopy, optical spectroscopy method that exploits scattering of light. This method is based on a property of molecules to scatter laser light inelastically. Frequencies of inelastically scattered light bare "fingerprints" unique to compound's molecules. Thus allowing to identify compound itself.

This exclusive to Coda Devices technology is based on coded multi-slits aperture (US Patent No. 7,301,625,7,505,130). It can significantly improve the sensitivity of a spectrometer and at the same time reduce production and final costs.

CDI 1M portable system is designed especially for law enforcement agencies and special services, for use in outdoor and field conditions. It allows identifying solid, liquid, gel and powder substances.



Acetaminophen spectra example