



## **PORTABLE TRACE DRUG DETECTOR - LTDD-A20**

# PORTABLE TRACE DRUG DETECTOR

## LTDD-A20

Portable Trace Drug Detector LTDD-A20 is a portable device which uses Raman spectrometry technology to detect component based on their specific wavelength. Non-destructive identification, verification of numerous types of samples, compact design, advanced software, high precision detector etc. are some of the characteristic features which ensures accurate readings. It is used in quality control departments, several investigation department, security checks, etc.

### FEATURES

- One button detection
- Algorithm to detect contaminants and mixture of chemicals
- External measurement from transparent containers
- Analysis of mixtures also possible
- Spectral Libraries to add new compound details
- Results displayed in seconds
- No expertise required to handle
- Barcode reader can be made available
- Pdf reports generated
- Built-in GPS, Wi-Fi and Bluetooth

### APPLICATION

It is used to identify raw materials, fake materials, hazardous substances, common drugs, Drug precursors, military explosives; inspection of final products etc.

## SPECIFICATION

Model No	LTDD-A20
Components Detected	<p>Drugs: Heroin/morphine, cocaine, papaverine, etc.</p> <p>Drug precursors: acetone, toluene, etc.</p> <p>Explosives: most commercial and military explosives such as TNT, (JO) Poly, C4 (plastic explosives), TNTB, Nitrocellulose, nitroguanidine, etc.</p> <p>Common Drugs: cephalosporin, amoxicillin, nitroazole, ofloxacin, acaphenol powder, (headache powder), etc.</p>
Excitation Wavelength	785 nm
Laser Output Power	0 to 500 mW
Spectral Range	200 cm <sup>-1</sup> to 3100 cm <sup>-1</sup>
Spectral Resolution	approx. 10 cm <sup>-1</sup> at 1000 nm
Detector Type	2048 pixel Linear CCD Array
Display	5.6 inch LCD with touchscreen
Connectivity	Wi-Fi, Bluetooth
GPS	Support
Operating Temperature	0 to 45
Storage Temperature	0 to 4
Working Humidity	5% to 80%
Camera	800W
Battery	Micro USB Rechargeable Li-ion, >7 hrs Operation
AC Adapter Output	DC 12V, 2A Minimum
Dimensions	180 × 95 × 38 mm
Weight	725 g