



Portable Trace Drug Detector LD-LTDD-A20

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Overview

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

Applications:

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

Specifications:

GPS	Support
Camera	800 W
Weight	725 g
Battery	Micro USB Rechargeable Li-ion, >7 hrs Operation
Display	5.6 inch LCD with touchscreen
Dimensions	180 × 95 × 38 mm
Connectivity	Wi-Fi, Bluetooth
Detector Type	2048 pixel Linear CCD Array
Spectral Range	200 cm ⁻¹ to 3100 cm ⁻¹
Working Humidity	5% to 80%

AC Adapter Output	DC 12 V, 2 A Minimum
Laser Output Power	0 to 500 mW
Spectral Resolution	approx. 10 cm^{-1} at 1000 nm
Storage Temperature	0 to 45°C
Excitation Wavelength	785 nm
Operating Temperature	0 to 45°C