LDS
LASER DETECT SYSTEMS OF AMERICA

B-SCAN
High Sensitive Bottle Liquid & Powders Scanner Station

The LDS B-SCAN is a high-sensitivity desktop inspection station that offers an effective, accurate solution for the detection of liquids, solids and powders suspected to be explosives, narcotics or other hazardous materials. The B-SCAN is an indispensable, key link in the process of identifying a wide range of potential threats by security personnel.

B-SCAN

Key Features

Unique Identification Technology:
Raman spectroscopy based on 532nm laser source and advance algorithm analysis with fluorescence compensation

- Fast, accurate results
- Designed for rapid bottled liquid scanning
- Identification of bulk & powder
- Penetrates sealed, transparent and translucent containers

Highly Operational & Easy to Use:
Multi-purpose station with an intuitive user interface for simple, efficient use

- Stores scanning data and creates an exportable scan report
- Short, simple training
- Minimum maintenance, no consumables
- No warm-up time or periodic calibration

Extendable Database:
Application and user-oriented database management

- Database customization and update tools
- Access to an extensive substance bank
- Database adaptation to local substances

Safe use:
Safe to use against all threats, with no effect on the tested objects

- Low laser power (< 30 mw)
- Will not ignite or burn materials
- Does not affect the substance's chemical structure

LDS - ALL SPECTRUM DETECTION

B-SCAN High Sensitive Bottle Liquid & Powders Scanner Station

LDS 5500-B

Transportation	Seaport Security	Customs	Airports Security	Mega Events	Critical Infrastructure Protection	Check Point & Borders

Technical Specification

Analysis Methods	Raman spectroscopy
Scanning Time	< 10 sec
Liquid Volume	50 – 2500 ml
Warm-Up Time	None
Laser Wavelength	532 nm
Raman Spectral Range	$100 - 6000^{-1}$
Spectral Resolution	$5 - 8\ cm^{-1}$
Dimensions	52(H) x 57(W) x 43(D) cm
Weight	~12.5 Kg
Operating Temperature	0 - +45°C
Storage Temperature	-10° - +60°C
Operating Humidity	0 - 95%
Operating System	Microsoft Windows 7
Processor	Quad core Intel I-5 processor, Full PC
Application Software	LDS MgLn™, Proprietary Software algorithm
Display and User interface	7" color high resolution TFT Touch-screen display
I/O interfaces	2xUSB
Voltage	110 / 220 V, 50/60Hz
Integrated UPS	110/220V 50/60 Hz Input > 1hour

B-SCAN User Interface

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