

XPOSE

CONTRABAND DETECTOR

The Xpose contraband detector is a compact, lightweight, rugged, handheld density meter designed to aid law enforcement officials with the detection of hidden objects or compartments.

Frequently, contraband is covertly stored in inaccessible areas, such as car panels, tires, bulkheads, etc., where direct observation is not possible. Xpose gives an indication of contraband concealed in hidden locations. It works by measuring changes in density across the target area. Xpose incorporates a large thallium-activated cesium iodide (CsI(Tl)) detector for better penetration and faster indication of "hits" triggered by an abrupt change in density.

The ruggedized Xpose unit has been designed with an ergonomic grip; anti-scratch detection surface; integrated safety wrist strap; and a large, easy-to-read, illuminated graphical display. It's lightweight (more than 20 percent lighter than other contraband detectors) and designed for ambidextrous operation.

Xpose has three search modes for contraband and a radiation scan mode for detecting sources of radiation in the vicinity. Xpose flexible readout options include a wireless remote display for ease of use in tight inspection locations and a USB port for connection with a computer.

SEARCH MODES

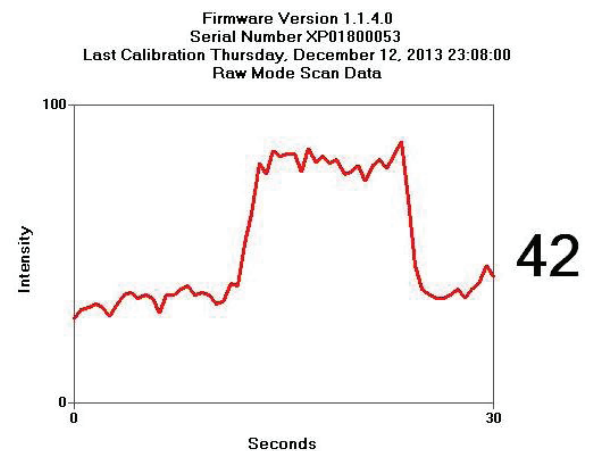
Xpose offers three distinct search modes to quickly locate hidden contraband. RAW mode displays the density count rate in both graphical and numeric form. BaseScan establishes a density baseline above which an alarm will sound. ZeroScan presents counts as +/- to the baseline. The operator can quickly toggle between modes with the current mode displayed in the header.

radSCAN MODE

In radScan mode, Xpose acts as a radiation detector to alert the user and locate sources of radioactive material. Xpose provides real-time readout of raw counts of detected radiation. Results are shown in graphical and numeric format.

CALIBRATION

Xpose uses a fitted calibration block that enables consistent response as the Xpose barium source ages. When calibrated, all units will read +/- 2 percent of each other. The calibration automatically compensates for decay of the source and aging of internal components. The calibration routine runs in under 15 seconds.



Download time-graphs of last 100 scans

Specifications

Dimensions	6.5 x 3.25 x 1.75 inches (16.5 x 9 x 4.5 cm)	
Weight	1.9 lbs (865g)	
Display	400 x240 LCD video graphic display Pushbutton backpanel light Battery status indicator	
Battery	(2) AA alkaline batteries. Up to 40 hours of continuous operation or up to 6 months of stand-by.	
Operational modes	RAW: records a numeric value that fluctuates with density baseScan: records baseline density then alarms when the base is exceeded zeroScan: records baseline density and displays the deviation (+/-) from the base radScan: detects raw counts of radiation sources in the vicinity	
Source	Barium 133, exempt quantity (not exceeding 10 microcuries, 370 kBq)	
Source Shield	Tungsten alloy with spring loaded shutter to insure failure in the closed position. Source indicator to notify user when source is open.	
Detector	Thallium activated Cesium Iodide Csl (TI)	
Depth of Reading	7 inches (18 cm)	
Alarm	60 dB, 2.4 kHz, 0.5 sec. audible alert. Alarm trip point auto-adjust to 1 std. dev. + 1 count using 50 db pulses of 0.50 second deviation	
Scan Rate	0.25 seconds per reading	
Environment	-5 to 130 F (-20 to +55C) IP56 rated	
Accessories	Xpose Tools Software Utility USB Cable (for PC connection) 3.5 mm stereo headset	Calibration Block Holster Manual



- › Large detector for faster response and increased penetration
- › 2.5-inch LCD display with density-time graphing
- › Ergonomic, one-hand, onetouch operation
- › USB or wireless connection to remote graphical display
- › 3.5mm stereo headset jack for use in noisy environments or stealth operation
- › Ruggedized for use in industrial and outdoor environments
- › Lightweight, compact design
- › Self-calibration

ABOUT LEIDOS

Leidos is a Fortune 500® information technology, engineering, and science solutions and services leader working to solve the world's toughest challenges in the defense, intelligence, homeland security, civil, and health markets. The company's 36,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately \$11.09 billion for the fiscal year ended January 3, 2020.

FOR MORE INFORMATION

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