



BeagleX[™]100

EXPLOSIVE, NARCOTICS AND PESTICIDES DETECTOR

BeagleX[™] 100 trace detection system is the first product from Analytical Detection LLC.

The development of BeagleX[™] 100 was focused on achieving substantially superior resolving power and accuracy with lower production and operational costs than current commercial trace detectors in the explosives, narcotics, and illicit materials market space. This was accomplished by employing novel engineering methods and a ground-up approach, using the latest cutting-edge technology, to produce a truly modernized trace detection system superior to legacy IMS detectors.

BeagleX[™] has all of the features and ease-of-use that you expect from an

IMS device, but it achieves this with better performance and lower total cost of ownership. With a resolving power of 80+ for targets of interest, the BeagleX[™] is equipped to provide rapid results with industry-leading accuracy. The detection time of just 6 seconds maximizes system throughput.

BeagleX[™] displays these results on a bright, easy-to-operate 13.3" TFT LCD touchscreen – the largest available for comparable devices. Powered by Linux, it boots in seconds and runs reliably day-after-day on a modern ARM processor. With leading sensitivity, BeagleX[™] is able to expand detection to larger threat compound lists than competitors, meeting future requirements.

PRODUCT HIGHLIGHTS

- ◆ Industry-leading resolving power and accuracy for low false alarm rate
- ◆ Fastest alarm detection
- ◆ Lowest cost of ownership
- ◆ Able to simultaneously detect explosives, drugs and pesticides
- ◆ Industry's largest touchscreen with intuitive controls
- ◆ Embedded Linux platform with modern ARM CPU

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BeagleX100

Technology	Dual Polarity Ion Mobility Spectrometry (IMS)
Operating Modes	Explosives, Narcotics, Pesticides, or Explosives/Narcotics (dual)
Explosives Detected	TNT, Tetryl, RDX, HMX, ETN, PETN, NG, EGDN, AN, UN and others
Narcotics Detected	Amphetamine, Cocaine, Fentanyl, THC, Heroin and others
Pesticides Detected	Carbofuran, Spiroamine, Mevinphos, Methiocarb, Aldicarb and others
Analysis Time	6 seconds
Sampling	Trace particle collection using sampling swabs
Sensitivity	Sub-nanogram range
Ionization Type	Non-radioactive
Calibration	Automatic internal
Alarm Method	Visual graphic and configurable audio alarm
Connectivity	4 USB 3.0, Ethernet
Display	13.3" TFT LCD w/resistive touch
Operating System	Linux
Dimensions	41 x 37 x 41 cm
Weight	12.0 kg (26.5 lbs)
Operating Temperature	0°C to +50°C
Operating Humidity	0 to 95% non-condensing
Printer	External 80 mm thermal printer w/USB interface
Power	80-264 VAC, 47-63 Hz, 220W

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