BeagleX 100

EXPLOSIVE AND NARCOTICS DETECTOR

BeagleX™ 100 trace detection system is the first product from Analytical Detection LLC. Its development was driven by the goal of achieving superior resolving power and accuracy while reducing production and operational costs compared to existing commercial trace detectors in the explosives, narcotics, and illicit materials market. Through novel engineering methods and a ground-up design approach, the BeagleX™ 100 integrates advanced technologies to deliver a user-friendly, next-generation detection system that outperforms traditional ion mobility spectrometry (IMS) devices.

BeagleX™ offers all the features and intuitive operation expected from an IMS device, while delivering enhanced performance and a lower total cost of ownership. With a resolving power of up to 100 for targets of interest, it delivers rapid, highly accurate results in just 6 seconds—maximizing system throughput and operational efficiency.

Results are displayed on a bright, user-friendly 13.3″ TFT LCD touchscreen—the largest in its class. Powered by Linux and running on a modern ARM processor, BeagleX™ ensures reliable, day-to-day performance in demanding environments.

PRODUCT HIGH-LIGHTS

◆ **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**

ANALYTICAL DETECTION

www.analyticaldetection.com

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, Spiroxamine, 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	**12.6 kg (27.7 lbs)**
Operating Temperature	**0°C to +50°C**
Operating Humidity	**0 to 90% non-condensing**
Printer	**External 80 mm thermal printer w/ USB interface**
Power	**100-240 VAC, 50/60 Hz, 365W (max)**

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ANALYTICAL DETECTION

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