



Biosens®900 Trace Detection System

The Biosensor B900 is a versatile portable Trace Detection system for the identification of Trace Explosives and Narcotics. Much like its predecessor the B600, the B900 uses Surface Acoustic Wave (S.A.W) Technology combined with immunoassay-based detection.

The BIOSENS®900 incorporates a battery which makes it function off the grid. This autonomy ensures that critical operations or tasks can be carried out without interruption. A Compact design with less moving parts, a new extra-large touch screen and fixed sample inlet makes it more rugged and increases reliability. Lower weight, smaller dimension and built in carrying handle enhances transportability.

EASE OF USE



- BIOSENS®900 is quickly set up for operation.
- An intuitive color touch screen interface guides the operator and provides easy access to archive data management.
- The built in printer enables automatic print out of results including added comments after completed analysis.
- Alarms are presented visually and audibly.
- BIOSENS®900 detects traces of the most common narcotics and explosives from one sample.
- Results are obtained within 30–60 seconds
- False alarms at a very low level
- BIOSENS® 900 is proven to deliver extraordinary performance from samples in harsh environments thanks to the patented sample transfer technology combined with immunoassay-based detection; offering high specificity, reducing the rate of false alarms.

Specification

Description:	Equipment for trace detection of narcotics and explosives.
Model:	BIOSENS®900
Detection technology:	Immunoassay reaction on S.A.W-sensor
Start-up time:	10 minutes from cold start at room temperature
Analysis time:	30–60 seconds
Result presentation:	Real time graphs, including presentation of detected substances
Printer:	Built in thermal printer
Dimensions:	280 x 306 x 289 mm
Weight:	11,5 kg
Portability:	Built in handgrip
Display:	10.1" Color TFT with touch screen
Alarm:	Audible & visual
Languages:	Localized to any language
Data transmission:	Ethernet, export of results and service reports. 1 USB port
Detection modes:	Trace
Comments to runs:	Free text via on screen keyboard or external keyboard and barcode
Data storage:	M2 SSD, 120 GB
Consumable status:	Time & run indicator
Consumable replacement:	Barcode identified
Operating:	10 to 40 °C Storage: ±0 to 60 °C
Humidity:	95%, non-condensing

SUBSTANCES DETECTED*

Substance groups: Amphetamines, Meth-amphetamine, MDA, MDMA, Ephedrine, Cocaine, Ecstasy, Opiates, THC, Buprenorphine, PCP, Fentanyl, Ketamine, TNT, DNT, Tetryl, RDX, PETN and NG.

*Can be combined for up to 12 substance groups

CONSUMABLES

Sensor Cartridge:	30–60 days operational time depending on configuration
Activator cartridge:	50 runs (in standard configuration)
Collection pad:	Re-usable
Cleaning:	Cleaning cartridge, heater cleaner, alcohol wipes
Maintenance:	Annual maintenance kit

POWER REQUIREMENTS

Power supply:	Input: 100–240 V 50–60 Hz Output 24 V DC 7.5 A
Battery:	33 Wh, up to 40 minutes operational, 2 h standby mode
Power consumption:	Average 40 W

STANDARDS:

CE mark, WEEE, RoHS
 EN IEC 61326-1:2021
 IEC 61326-2-6:2020 with emission limits for class B group 1 equipment and immunity requirements according to home healthcare environment.
 IEC 61010-1



The result is printed out instantly.



Inserting sample.



Replacing Activator Cartridge.



Consumables: Sensor and Activator Cartridge

Rear connectors

