

SD310 Portable explosives or drug detector is based on the most advanced Ion Mobility spectrometry (IMS) technology in the world, this product can quickly and accurately detect and determine the types of trace explosives and drugs.

It has been widely used in subway, railway, public security, border police, government Units, postal logistics and other key security zone, the human body clothing, luggage, drugs left on the surface of the goods, explosives and other prohibited items, suspicious objects can be quickly detected.

(Note: Explosive Trace Detector or Narcotic Trace Detector should switch the software in device, can't work at the same time.)

◆ Key Features:

- ◇ Fashionable design and light weight
- ◇ Top advanced IMS technology
- ◇ Extremely high sensitivity: can reach Nanogram level
- ◇ 3.2-inch color touch screen
- ◇ Fast indentify speed and accurate result
- ◇ Battery backup time: 4-6 hours



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◆ **Technical specification:**

Explosives identify	A variety of military , civilian , and homemade explosives: Black powder, AN, TNT, PETN, Gina, Semtex, RDX, Tetryl, HMX, nitroglycerin , dinitrotoluene (DNT), C4, etc.
Drugs identify	Cocaine hydrochloride, Heroin hydrochloride, Tetrahydrocannabinol, Methamphetamine, Ketamine hydrochloride (K powder), Morphine hydrochloride; Add new samples if necessary,
Sampling	dipstick tracking trace particles, and test strip wipe Sampling
Databases	open to user, can add new type explosive
Alarm	Sound / light
Sensitivity	Mix: Nanogram explosives, even pictogram sulfur
Sensitivity limit	100 Nanogram TNT
Analysis speed	< 5 seconds
Warm-up time	< 10 minutes
False alarm rate	≤ 1%
Detection rate:	≥ 99%
Display	3.2-inch color touch screen
Consumption	< 300W
Power	220V AC 50-60Hz / Lithium battery
Power Adapter	Input 220V / AC 50-60Hz; Output 16V / DC
Operating temperature	-10°C ~ 55°C
Relative humidity	99%

◆ **Highlights and advantages**

- ◇ Original Swiss imports of aviation plugs, built-in ultra-thin lithium battery,
- ◇ USB interface, equipped with wireless keyboard;
- ◇ High sensitivity: can detect at least 100 Nanogram powder, including fireworks and civil homemade explosives.
- ◇ Advanced migration tube ensures high resolution
- ◇ Automatically cleaning system can prevent inject pollution
- ◇ Data open to user, can add new explosive and new drugs
- ◇ Dipstick can be reused
- ◇ Unlimited storage, USB port to output the data,
- ◇ Data can be transmitted via Bluetooth and print test results (optional);
- ◇ Light weight: less than 3kg
- ◇ Size: 320mm(L)*270mm(W)*78mm(H)
- ◇ Packing size: 51.2mm*19.5mm*41.2mm / Gross Weight: 9.5kgs