

RCIED Jamming Equipment

Our representative items include
3 types: WPS-160(4th), WPS-130(3rd),
and WPS-160P.



Product Name

WPS-160(4th)

Specification



Frequency band	20MHz ~ 6GHz
Output	160Watts
Operating temperature	-20 ~ +43℃
Blocking range	Radius of 30m (based on - 70dBm base station output field strength area)
Operating time	1 hour 30minute
Size	55 X 20 X 40cm
Power	Rechargeable polymer battery (DC36V ~ DC 72V)
Weight	25kg (excluding antenna and battery) * Battery 6.95kg
Signal generation unit	Neutralization noise signal generation, Tone Sweep method

Descriptive Features

- 1 Easy to attach and detach as the main body is detachable
- 2 Support for various form factors
(Portable, man-pack, vehicle-mounted, etc.)
- 3 Preventing the risk of terrorism by radio interference from wireless/remote improvised explosive devices (RCIEDs)
- 4 Applicable to close-range anti-drone applications
by applying gun-type antennas
- 5 1/3 of the narrowband level



Note



Army EOD



Air Force EOD

Product Name

WPS-130(3rd)

Specification



Frequency band	20MHz ~ 6GHz
Output	130Watts
Operating temperature	-20 ~ +50℃
Blocking range	Radius of 30m (based on - 70dBm base station output field strength area)
Operating time	1 hour 30 minute
Size	62 X 34.8 X 40cm
Power	Rechargeable polymer battery (DC36V ~ DC 72V)
Weight	35kg (excluding antenna and battery) * Battery 21kg
Signal generation unit	Neutralization noise signal generation, Tone Sweep method

Descriptive Features

- 1 Easy to attach and detach as the main body is detachable
- 2 Support for various form factors
(Portable, man-pack, vehicle-mounted, etc.)
- 3 Preventing the risk of terrorism by radio interference from
wireless/remote improvised explosive devices (RCIEDs)
- 4 Applicable to close-range anti-drone applications
by applying gun-type antennas
- 5 1/3 of the narrowband level



Product Name

WPS-160P

Specification



Frequency band	20MHz ~ 6GHz
Output	130Watts
Operating temperature	-20 ~ +50℃
Blocking range	Radius of 30m (based on - 70dBm base station output field strength area)
Operating time	2 hour
Size	70 X 30 X 50cm
Power	Rechargeable polymer battery (DC36V ~ DC 72V)
Weight	29kg (excluding antenna and battery) * Battery 11.5kg
Signal generation unit	Neutralization noise signal generation, Tone Sweep method

Descriptive Features

- 1 Easy to attach and detach as the main body is detachable
- 2 Support for various form factors
(Portable, man-pack, vehicle-mounted, etc.)
- 3 Preventing the risk of terrorism by radio interference from
wireless/remote improvised explosive devices (RCIEDs)
- 4 Applicable to close-range anti-drone applications
by applying gun-type antennas
- 5 1/3 of the narrowband level



Note



Air Force EOD

ION Picker

Detection/identification equipment for trace amounts of hazardous substances
(explosives, narcotics, environmentally hazardous substances, chemical agents, etc.)
using IMS (Ion mobility Spectrometry)



Defence Platform



Armored car



Combat vehicle

Explosives Detection

ION Picker

Specification

HS Code	9027.59
Detection principle	IMS (Ion Mobility Spectroscopy)
Analysis data	Gas, liquid, solid state
Operating temperature	-20~+55℃
Operating time	8 hours
Size	40.8 X 13.5 X 20.5cm
Analysis time	Instant/within 5 seconds
Power	Rechargeable lithium-ion battery
Weight	4kg(including battery), 3.2kg

Library List

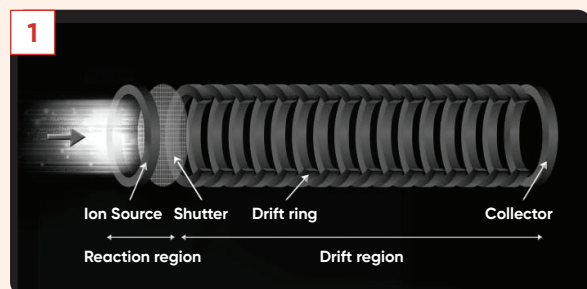
EXPLOSIVES		NARCOTICS	
TNT	HMX	Cocaine	MDA
DNT	PETN	Heroin	MDMA
C4	TETRYL	Ketamine	Diazepam
RDX	Ammonium Nitrate	THC	Sauteralgyl
TATP	NG(Nitroglycerin)	Methamphetamine	Nimetazepam
Black Powder	SEMTEX, Etc.	Amphetamine	Codeine, Etc.

Descriptive Features

- 1 Detection of hazardous materials such as explosives, narcotics, and hazardous chemicals
- 2 Detection and identification of hazardous materials on site without separate preprocessing
- 3 Easy registration of new materials according to user needs
- 4 Adoption of a detachable structure, improved portability

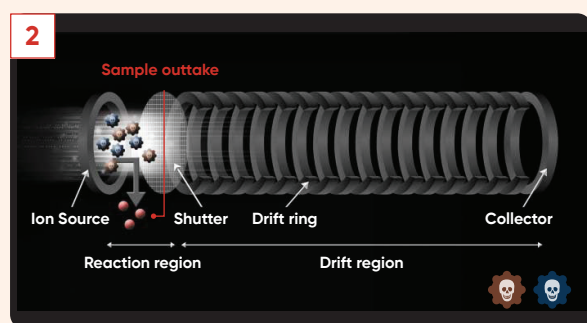
Basic Principles

Operation Flows



The internal fan sucks gaseous harmful substances into the ION-PICKER together with the outside air through the nozzle located at the front end of the equipment.

» Solid or liquid substances are smeared at the rear end of the nozzle through a separate smear kit. It is heated on the heating panel, vaporized, and then inhaled.



The vaporized molecules are ionized through corona discharge in the ionization section.

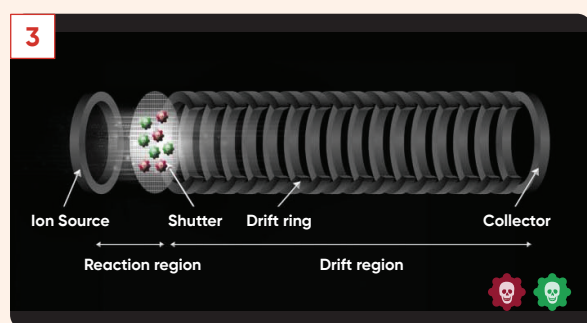
» When a hazardous substance is inhaled into the equipment, it is ionized by corona discharge and the generated ions are aligned to the shutter grid.



Ionized hazardous substances A



Ionized hazardous substances B



The ions of the harmful substances move to the collector electrode by the driving force of the electric field applied to the drift tube and the concentration gradient.

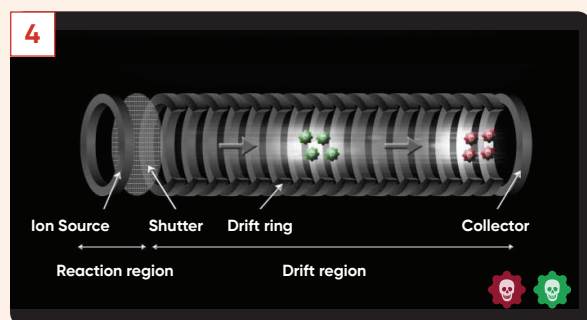
» The aligned ions move through the transport tube at different speeds depending on the mobility of the substance.



Ionized Hazardous Substances A-1



Ionized hazardous substances B-1



Electrically detectable when each ion reaches the collector electrode.

By spectralizing the relationship between signal and travel time, hazardous substances are ultimately detected and identified, and warnings are given through an external LCD window and alarm.

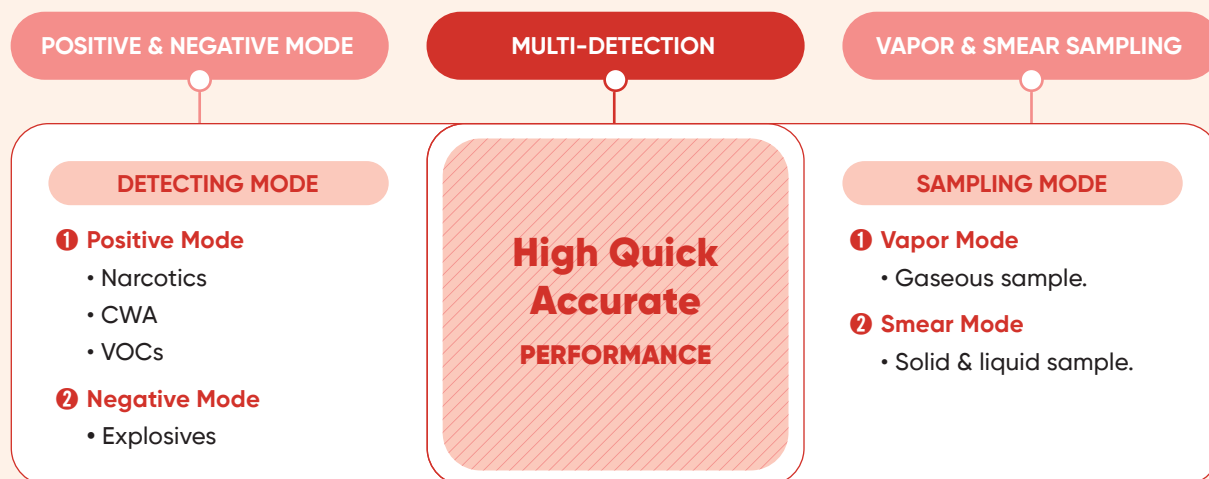


Ionized Hazardous Substances A-1



Ionized hazardous substances B-1

Features and Benefits



Market Point 6

