

The IMS Technology Company in CRBNE detection.



> PRESENCE

- ✓ Service and Support around the globe
- ✓ Hubs in South America and Asia
- ✓ Headquarter in Germany



GDA-P



Enhanced Personal Detection

Modern defense operations face much higher requirements which go beyond detecting standard warfare agents. The GDA-P provides reliable and sensitive detection of CWA and is expanded for the detection of TICs and further hazardous compounds. When demands for military and civil security operations get merged, an instrument has to provide higher analytical capabilities to protect and secure accurate information.

Technology

- **Ion Mobility Spectrometer (IMS)**
Provides compound-specific information on a large number of chemicals down to ppb range.
- **Photoionization Detector (PID)** or
- **Electrochemical Detector (ECD)**
Provide additional detection and alarming capabilities

Display

Indication of status and alarm by LED and acoustic alarm.

Substance name and response indication

Technical Data

Product Description

- IMS and PID or IMS and ECD, simultaneous detection, PID and ECD user interchangeable
- High resolution Ion Mobility Spectrometer (Ni63 ion source, positive and negative mode)
- Intense self check
- Offline Data Analysis software

- Detection range: ppb to ppm
- Temperature range: -32°C...49°C (operating), -40°C ... 71°C (storing)

- Wireless: Bluetooth™
- Data logger 4GB

Power Requirements

Main power 8,5W, nominal 12 VDC, 9-20 VDC
rechargeable battery (8 hrs) or
standard AA battery *12 pcs (8 hrs)

Communications

Computer interface Serial RS-232 and Bluetooth™

System Requirements

Operating system Windows
Software WinMuster for instrument control and data analysis
Offline Data System and Library management
Basic maintenance operations



1.4 kg
+ battery 440 g
+ Damping Boot 275 g

Dimensions
L261 x W92
x H75
mm

Features

Wireless Bluetooth™

Safety Class / Standards

MIL STD 810-G, 810-H, 819-H
461G / IP65

Warranty

12 months

GDA-P

AIRSENSE
ANALYTICS

A Plus in Substances

1 (CWAs)

area points

Nerve agent	GA
	GB
	GD
	VX
Skin agent	HD (sulfur mustard)
	L (Lewisite I)
Blood agent	AC (Hydrogen Cyanide)
	CK (Cyanide chlorine)
Choking agent	CG (Phosgene)

chemical substance

GA

GB

GD

VX

HD (sulfur mustard)

L (Lewisite I)

AC (Hydrogen Cyanide)

CK (Cyanide chlorine)

CG (Phosgene)

:

2 (TICs)

area points

Statutory poison	Hydrogen cyanide
	Hydrogen fluoride
	Cyanogen Chloride
	TDI
	Arsine
	Hydrazine
	Meth Mercapt
	Dimeth Sulfate
	Posphine

chemical substance

Hydrogen cyanide

Hydrogen fluoride

Cyanogen Chloride

TDI

Arsine

Hydrazine

Meth Mercapt

Dimeth Sulfate

Posphine

:



This list is an excerpt of chemical agents.

The GDA-P libraries are customizable for a broader range of hazardous materials.



Readyfor
AIRSENSE

SAS
LINK



Made in Germany

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www.airsense.com

GDA-P

Versatile Utilization with Docking Station



DOCK

SWM

LWM

CWM

▶ FEATURES AT A GLANCE

- ✓ Expanded detection range on gaseous chemicals
- ✓ Integrated networking solutions
- ✓ Customizable library
- ✓ Military hardened
- ✓ Flexible adaptation to operational environment



ONE DETECTOR

Multiple applications

> VARIABLE WAYS OF USE



Man-at-Arms
Personal Safety
Detector



In-the-field
autonomous
Operations



Operation
on Platforms &
Vehicles



Operation
in shelters &
infrastructure



Maintained
Operational
Readiness

GDA-P DOCK

Autonomous Operation

> SUPERVISION & ALARMING

- ✓ Additional battery
- ✓ Remotely controlled
- ✓ Long range (wireless) communication
- ✓ Long term (e.g. 24hrs) autonomous operation
- + For example: Supervision of base camps



Ready for **SAS**
AIRSENSE LINK

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VEHICLE PLATFORM SOLUTIONS

Protection inside, supervision outside

GDA-P-LWM

LIGHT WALL MOUNT



GDA-P-SWM

SLIM WALL MOUNT



IO-PORT



ADVANTAGES

- ✓ Always ready for operation
- ✓ Interface to vehicle information system
- ✓ Fast pick up for deployed operation
- ✓ Adaptation to vehicle power system
- ✓ Rugged sampling port for gas in/out

