AIRSENSE
ANALYTICS

LS-ID
Liquids and Solids - IDentifier

Technical Data

Instrument specifications handheld spectrometer designed for the identification of drugs, illicit narcotics and explosives

Product Description

- 3 different accessories for liquid and solid sampling
- Laser power: 100 mW, ~50 mW at sample
- Laser excitation: free 785nm
- Dedicated software for instrument control and data analysis
- Visualization of correlation results and spectra overlapping
- Automatic report printing with measurement results
- Library editor included
- Customer can create his own libraries
- Customized libraries
- Weight: 400 gr
- Dimensions: 130 x 70 x 40 mm

Features

- Rechargeable battery Li-Ion (4hrs)
- Micro SD card for data storage (1GB)
- Highly visible OLED display
- USB cable for PC control / battery charging

Operating temperature range

-20°C to +40°C

Right Angle attachment

Vial Sample attachment

Point and Shoot attachment

Some example from the law enforcement library

Explosives / Propellants	Nerve Agents	Narcotics / Controlled
RDX	GB (Sarin)	Cocaine
Silver Nitrate	GD (Soman)	Phenobarbitol (Luminal)
Ammonium bisulfate	GA (Tabun)	Diaxepam (Valium)
C4	HD (Sulfur Mustard)	Ephedrine
Trinitoluene	HN1 (Nitrogen Mustard)	Barbituric Acid
Ammonium molybdate	VX	Hydrocodone
Sodium Perchlorate	...	Methamphetamine

Made in Germany
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Chemical Detection in Aviation Industry

AIRSENSE ANALYTICS

aerotracer

Supervision in Aviation Industry

A powerful tool for hazardous gases and chemical compounds in aircrafts

An aircraft has to fly – the downtime of an aircraft has become a critical factor in the aviation industry. The **aero**tracer – as a joint product of AIRSENSE Analytics GmbH and Lufthansa Technik AG – was developed to support and assist maintenance providers, engineers and ground staff in identification of chemicals.

The **aero**tracer is a portable analyzer capable of identifying relevant compounds from the aviation maintenance environment; for example engine oils, hydraulic liquids, heat transfer fluids, glues, de-icer compounds, kerosene and more.

After receiving a report on oil smell in an aircraft, the **aero**tracer is used to detect engine oil in the bleed air and to determine the troublemaker. The right maintenance tasks, corresponding to those defects, can be performed.

The product is sensitive enough to quantify the oil vapouron. The **aero**tracer helps effectively in decision-making during maintenance procedures. Thus, precious maintenance time is saved by using the **aero**tracer.

APPLICATIONS

High Power Run Ups
- detection of engine oil in bleed air
- identification of defective engines having defects
- indication of the odor rating

Air bleed sampling tests on test cell
- final outgoing tests
- R&D for new engines

Investigation of an aircraft for leaks
- landing gear
- galley

and more. . .

Our customers
- Airlines
- Maintenance, Repair and Overhauling (MRO) providers
- Engine manufacturers
- Aircraft manufacturers

Made in **Germany**

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