AIRSENSE
ANALYTICS

aerotracer

A powerful tool which will definitely reduce the total downtime of your aircraft

Supervision on Critical Infrastructure Detector for hazardous gases and chemical agents

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 between the companies AIRSENSE Analytics GmbH and Lufthansa Technik AG – was developed in order to support and assist maintenance providers, engineers and ground staff with the identification on chemicals and technical media.
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 of an aircraft, the **aero**tracer will be used to detect engine oil in the bleed air and to determine the troublemaker. The right maintenance, corresponding to those defects, can be proceeded and conducted.

The product is sensitive enough to quantify the oil vapour in a scale. The **aero**tracer helps effectively in decision-making during maintenance procedures. Thus, precious maintenance time is ensured with the **aero**tracer.

Applications

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

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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Technical Data

Product Description

Sensor technology	comprising hybrid sensor array
Sample flow	50…500 ml/min
Flow system	internal pumps, internal sample dilution system
Measurement time	usually some seconds – up to less than 1 minute
Detected compounds	Engine turbo oils, De-Icing fluids, Hydraulic liquids, Corrosion inhibitors, Glues, Heat transfer fluids, Kerosene and more
Display	graphical display
Dimension	395 x 112 x 210 mm (ca. 15.7 x 4.5 x 8.4 in)
Weight (without battery)	4.2 kg (8.4 lbm)

Environment Requirements

Temperature	typical: 0°C to 45°C
Humidity	5 % to 95 % rF, non condensing

Power Requirements

Main power	**power supply:** 110 to 240 VAC; 30 W or rechargeable battery (operating time 4 hrs)

Communication

Computer interface	power supply with RS232

System Requirements

Operating system	Windows XP, Windows Vista, Windows 7
Software	WinMuster for On/Offline analysis and data transfer
Data card	Mini SD Card (capacity approx. 1 GB), removable medium

Safety classes

Compliant to EN50270/199 type 1 device
EN50270/1999 type2 device

Warranty

12 months



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