



T A C T I S C A N

A NEW ERA OF LAW ENFORCEMENT

We introduce the world's first, compact, versatile narcotics reference scanner system specifically designed for law enforcement authorities and forensic laboratories for fast, accurate and reliable measurement data collection.

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SPECTRAL ENGINES

MEMBER OF THE NYNOMIC GROUP



TACTILAB

We introduce the world's first, compact, versatile narcotics reference scanner system specifically designed for law enforcement authorities and forensic laboratories for fast, accurate and reliable measurement data collection.

Through a set of narcotic sensors powered by machine learning, the TactiLab enables the collection of representative laboratory data on illicit drugs and delivers it in a low-cost, portable platform.

Recent years show that the production of illicit drugs has increased and become more diverse. For example, precursors for heroin, cocaine, amphetamines and other drugs are increasingly being imported into Europe and processed there in drug laboratories¹. These local drug mixtures and variants can be added to the scanning library before they become widespread and are immediately transferred to all handheld devices in the field used by police, customs and judicial forces.

Technology

The core of the TactiLab narcotics scanner are eight Spectral Engines' Near Infrared (NIR) spectral sensing modules combined with mobile and cloud connectivity to enable fast mass data management.



NIR-spectrometers are widely used in many fields to measure material content and have a proven track record in getting highly accurate measurement data in laboratory conditions.

TactiLab currently detects cocaine, (meth-)amphetamine, cannabis, synthetic cannabinoids, hashish, opium and ecstasy. Furthermore, legal drugs such as Ritalin, ASA, Buprenorphine, Tilidine and Paracetamol.

Operation

Optical reading requires no sample preparation and does not alter the sample in any way. The system can be operated by easily trained forensic personnel to acquire a reference library of high-volume drugs in a quality assurance laboratory.

Our solution enables the data gathering with a statistical distribution of spectra, without operator errors and it runs without continuous monitoring.

Components

- TactiLab
- Laptop with Scanning Software
- White Reference Target for Calibration
- Back-up Program

Wavelengths

1.35 - 1.65 μm | 1.55 - 1.95 μm | 1.75 - 2.15 μm | 2.00 - 2.45 μm

Dimensions

330 x 200 x 60 mm | 3 kg

13 x 7.9 x 2.4 in | 6.7 lbs

¹ European Drug Report 2020, EMCDDA



Safety

No officer exposure, no sample destruction, no mistakes



Efficiency

No sample preparation, rapid results, unlimited tests with one device



Accuracy

High measurement accuracy from a low drug concentration

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