



T A C T I S C A N

# WE EMPOWER LAW ENFORCEMENT

The compact narcotics scanner was developed for law enforcement agencies and identifies unknown substances, including narcotics and other illegal substances, in the shortest possible time.

Get accurate results in seconds while minimizing operator exposure to potentially dangerous substances. Stay safe and informed with TactiScan.

[WWW.TACTISCAN.COM](http://WWW.TACTISCAN.COM)

POWERED BY



**SPECTRAL ENGINES**

MEMBER OF THE NYNOMIC GROUP

## TACTISCAN

Introducing TactiScan – a pocket-sized narcotics scanner that elevates safety and efficiency in police fieldwork.

Designed specifically for law enforcement, TactiScan enables officers to detect the most commonly used illicit narcotics on-site without direct exposure.

Our user-friendly mobile app delivers clear, reliable results in just seconds, eliminating any guesswork. TactiScan boasts exceptional accuracy, even at low drug concentrations, and features a significantly improved user interface compared to most existing products in the field.

This advanced device can identify a wide range of substances, including cocaine, (meth-)amphetamine, cannabis, synthetic cannabinoids, hashish, opium, and ecstasy, as well as legal drugs such as Ritalin, ASA, Buprenorphine, Tilidine, and Paracetamol. Our reference models (substance libraries) can also be easily updated as new threats appear in the market.

Affordable and cost-effective, TactiScan is much less expensive than alternative options, making it accessible for any size police department. All measurement data are securely logged, and immediately available in your private and secure dashboard, and can only be accessed by authorized personnel within the department. Choose TactiScan for a safer, more efficient approach to narcotics identification in the field.



## Size/Weight

Dimensions: 80 x 80 x 28 mm | 157 g

Weight: 3,15 x 3,15 x 1,0 inches | 0,35 pounds

## TECHNOLOGY

### Revolutionary Miniaturized Infrared Technology

At the heart of TactiScan is Spectral Engines' Near Infrared (NIR) spectral sensing module, combined with mobile and cloud connectivity for efficient mass data management (local/offline functionality is optional).

Used extensively across various fields, NIR-spectrometers are renowned for their precise material analysis. With TactiScan, this proven technology moves narcotics screening from the lab to the field, providing law enforcement with a cost-effective, portable solution. The optical reading process preserves sample integrity and requires no preparation, minimizing exposure risks and conserving even small sample amounts.

	Tacti Scan	Test Kits	Raman devices
Scans through bags	x		x
No need for sample preparation	x		x
Works for dark samples (i.e. heroin)	x	x	
Does not destroy the sample	x		x
No need for chemical reagents	x		
Fast analysis time	x		
Low-cost analysis	x	x	
Eco-friendly and safe	x		

In some cases Raman devices need sample preparation, i.e. when dealing with heroin. This increases the risk of sample contamination and unnecessary officer exposure.

## IDENTIFICATION PROCESS

Tactiscan enables officers to identify unknown substances through plastic bags without contamination and ensures the occupational safety of officers when identifying drugs and the entire identification process is digitally documented.

STEP 1: The officer connects the TactiScan device to his cell phone via Bluetooth.

STEP 2: The substance found is placed in the plastic bag on the device, a spectral scan is then performed which maps the chemical composition of the substance.

STEP 3: The data is transmitted to a secure server (offline functionality available), where algorithms analyse the measurement data, and the substance is determined.

STEP 4: A notification is immediately displayed on the cell phone screen to the officer informing them of the result.

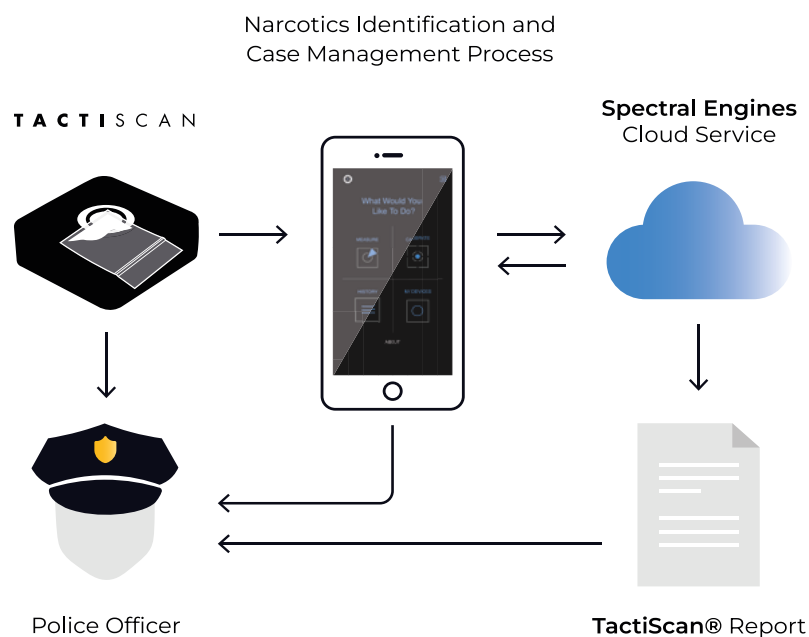
STEP 5: A report summarizing the details of the reading is also automatically generated and can be viewed by the officer on the web portal. This report can be customized and attached to the case files and serve as a basis for decisions on how to proceed.

## TACTISCAN RENTAL

Services included in the service package:

- TactiScan device, in case of service or failure a loaner device is provided
- Access to all models/libraries
- Quarterly recording of substances
- Free of charge model/library updates
- 1 x annual check and service of the device:» incl. coordination and organization per maintenance, shipping (incl. shipping costs)  
» incl. visual inspection, hardware and software check, disk check, sensor check, white reference check

\* subject to charge



## TACTILAB

The TactiLab is a compact and versatile narcotics reference scanning system designed for law enforcement agencies, customs, and prison authorities to quickly, accurately, and reliably capture measurement data on illicit substances.

Equipped with a range of narcotics sensors and supported by machine learning, TactiLab allows users to collect representative laboratory data from various illicit drugs. This data is provided in a cost-effective, portable format, making it easier for officers in the field to access essential information.

As the production and diversity of illicit drugs in Europe continue to rise, common precursors for heroin, cocaine, amphetamines, and other substances are increasingly being imported and processed in local drug laboratories. TactiLab enables users to add new drug mixtures and variants to its scanning library. This feature ensures that updated information is promptly transferred to all handheld devices used by police, customs, and judicial authorities, enhancing their capability to identify narcotics effectively.



## Operation

The TactiLab system is designed for easy operation by forensic personnel who can be quickly trained to build a reference library of various drugs in a quality assurance laboratory. Our solution facilitates data acquisition with a statistically distributed spectrum, minimizing operator error and allowing the system to run autonomously without the need for continuous monitoring.

## Components

- TactiLab
- Scanning software
- White references for calibration

## Size/Weight

Dimensions: 330 x 200 x 60 mm | 3 kg

Weight: 13 x 7.9 x 2.4 inches | 6.7 pounds

## COMPANY

TactiScan was developed by Spectral Engines, an international IT company that specializes in cloud and digital solutions alongside MEMS-based spectroscopy systems. As part of the Nynomic Group, we blend the innovation of a young company with the stability and expertise of an established technology group, ensuring a robust foundation for our advancements.



### 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