

Mira DS Handheld Identification System

Safe in-field identification of
explosives and illicit substances



Respond to threats and safer than

Is it a lethal threat or just a harmless powder? How big is your risk – and that of everyone else around? The faster you know this, the faster you can make the right decisions – potentially saving lives. In situations like this you can rely on Mira DS, the latest hand-held material identification system from Metrohm.



For police officers, hazmat teams, and military personnel

Mira DS' intuitive design requires no instruction at all: Turn it on, put it on the sample, press a button, and get the result – that's it! How does it work?

Mira DS uses lasers to collect a unique optical fingerprint. This fingerprint is then identified by matching it against thousands of entries stored in libraries on Mira DS. The data you collect is saved and stored for report generation.



**cools faster
every!**



Your safety is our

Unique flexibility to keep you protected

With a uniquely comprehensive set of sampling attachments, Mira DS allows you to avoid contact with unknown substances.

Identify substances from a distance with the Stand-off Attachment, e.g., by standing in a door way and scanning a container from across the room.



Identify powders in a baggy with the Right Angle Attachment. **Ideal for checking a sample on the hood of a squad car.**

When identifying explosives, you can adjust the laser power of your Mira DS and set a scan delay to allow you to distance yourself from the measurement.



ur priority

1

Identify samples directly in bags and in bottles with the intelligent Universal Attachment (iUA). Simple on-screen instructions guide you through the process.



2

PowerPack – hot zone swappable external battery increases use time of Mira DS to over 14 hours



4

Calibration standard.



3

Identify substances with the Contact Ball Probe Attachment by simply contacting the liquid or powder with the probe.



Made for the tou

Barely larger than a smart phone Mira DS enables true single handed operation. With a weight of just 705 grams, you can carry your Mira DS in your pocket without even noticing it on your mission.

Mira DS is engineered to perform reliably even under toughest conditions. It's rugged design meets the specifications of MIL-STD 810H as defined by ...

- Method 501.5 (High Temperature)
- Method 502.5 (Low Temperature)
- Method 512.5 (Immersion, IP67)
- Method 514.6 (Vibration)
- Method 516.6 (Mechanical Shock)



oughest conditions



In-field risk management with Mira DS

Mira DS Intelligence

- Mira Cal Mobile App
- Interface with HazMasterG3 Software
- Large 20,000+ entry Libraries
- 24/7/365 Spectral Reachback Support

Interface your Mira DS with the Mira Cal Mobile app to link your data to the proven HazMasterG3 Software and get additional, vital information on the substance you are facing. With this info, you can take immediate action without the loss of valuable time.

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DEVICE

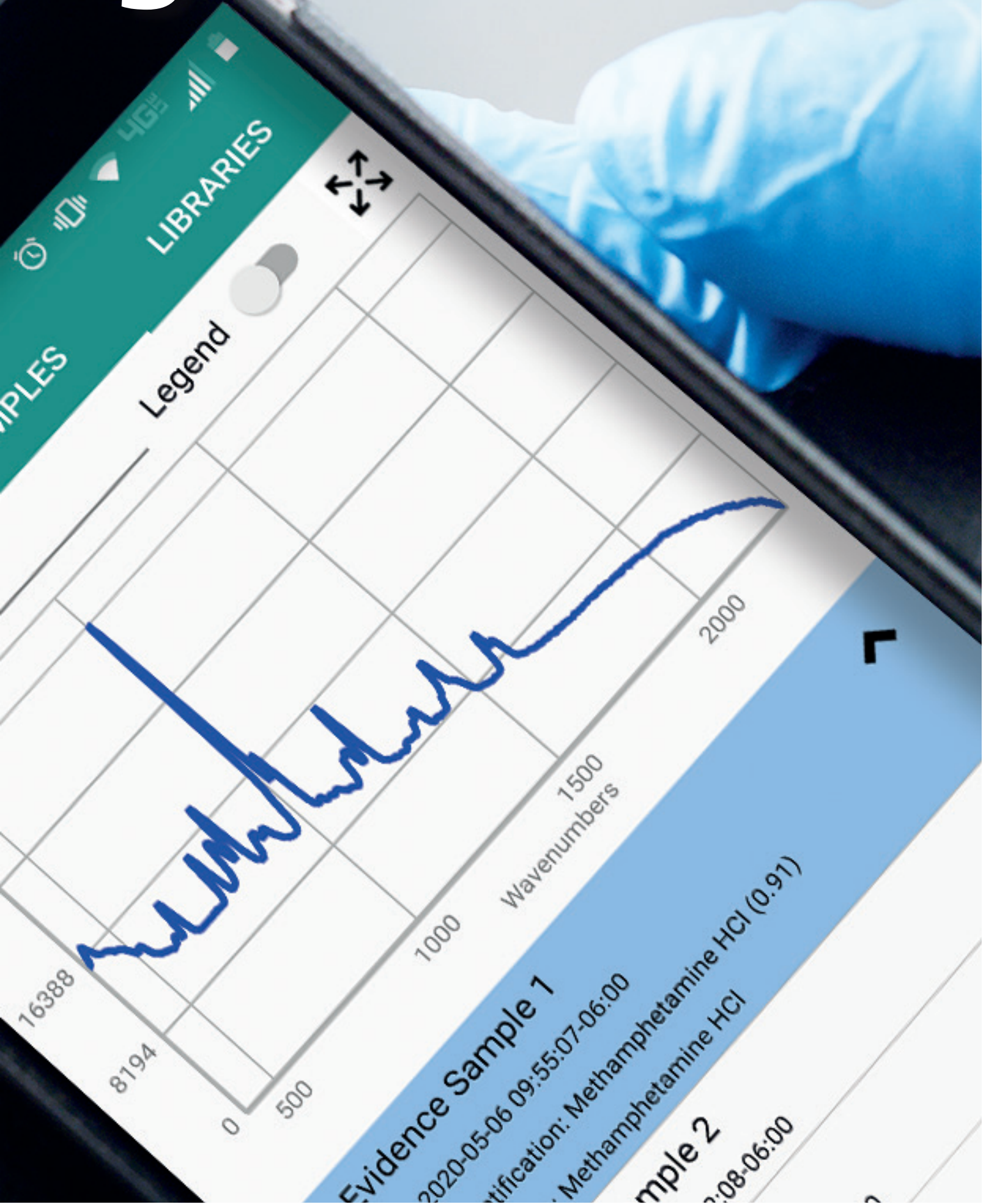
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SAM

Management



Knowing the thr



Great saves lives

Identify individual substances in mixtures

It is often mixtures that you are dealing with, not pure substances. No problem for Mira DS! Thanks to a unique sampling method called Orbital Raster Scanning (ORS) and Mira DS' powerful matching algorithm combined with the largest Raman library known, you can identify with utmost confidence individual components within powder or liquid samples.

Trace Detection of Substances

To increase the sensitivity of Mira DS, it is compatible with Surface Enhanced Raman Scattering (SERS) substrates. This technology enables the detection of illicit drugs even when they are present in trace quantities. SERS substrates kits are available directly through Metrohm.

On-site support with the Mira App

Having difficulties identifying a sample on site? **Use the Mira App to send the data to your chemical support team** and tap into their expertise to assist you.

Order information

2.926.0020	Mira DS Advanced Package
2.926.0010	Mira DS Basic Package
2.926.0030	Mira DS Flex Package

