HAPSITE® CDT Chemical Identification System

Accurate, on-site, lab-quality results in minutes

INFICON

Inspired by visions. Proven by success.

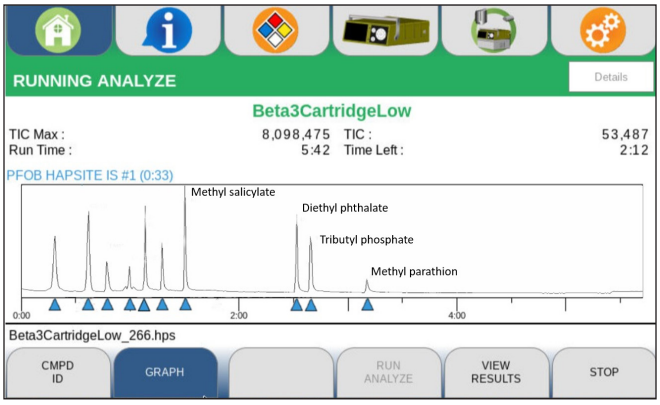
Providing certainty in uncertain times.

HAPSITE CDT provides versatility for military, civilian and hazardous response teams to identify and quantify narcotics, Chemical Warfare Agents (CWA), Fourth Generation Agents (FGA), explosives and toxic industrial chemical threats on-site to develop critical health risk assessments, quickly.

CRITICAL CONFIDENCE IN COMPOUND IDENTIFICATION

HAPSITE CDT delivers accurate, lab-quality results in minutes to make threat assessments, and decisions with confidence.

- The system's new features prioritize precision, increase sensitivity, expand the range of identifiable chemicals, enhance sample storage and improve the ability to respond to unknown hazards.



- HAPSITE CDT has the ability to identify unknown compounds in a variety of different phases (vapor, liquid or solid) and in complex backgrounds.
- HAPSITE CDT features an optimized short, temperature-controlled sample pathway for trace level detection of narcotics, CWAs, FGAs, explosives and toxic industrial chemicals. To improve the analysis of each sample, a chemical standard is injected into the cartridge. HAPSITE CDT also allows teams to recognize difficult-to-identify fentanyl derivatives.
- Collected samples are run through HAPSITE CDT's AMDIS with a configurable targeted library for precise and quick identification during field operation. HAPSITE CDT also detects V-series nerve agents directly, and with its short sample pathway has greater sensitivity to detect trace level compounds such as:
  - Pharmaceutical Based Agents (PBAs)
  - Fourth Generation Agents (FGAs) A-Series/Novichoks
  - Chemical Warfare Agents (CWAs)
  - Toxic Industrial Materials (TIMs)
  - Toxic Industrial Compounds (TICs)
  - Volatile Organic Compounds (VOCs)
  - Heavy Semi-Volatile Organic Compounds (SVOCs)
  - Explosives
  - Environmental Pollutants

FEATURES/ADVANTAGES AT A GLANCE

- Sensitivity/trace level identification
- Expanded mass range/narcotic and FGA/A-Series detection
- Cartridge concentrator/portable collection
- Intuitive, easy-to-use software/minimal training
- Optimized sample path/reproducible and quantifiable data

EFFICIENCY & PORTABILITY WHEN YOU NEED IT MOST

The new handheld cartridge-based sampling system allows users to carry lighter equipment, quickly deploy and get multiple samples analyzed onsite. The HAPSITE CDT's cartridges, which hold the samples, can be decontaminated and reused.

HAPSITE CDT is designed to adapt to the needs of hazardous response teams that require fast analysis. A new modern user interface (UI) is designed for both new and experienced users. New users can be trained in minutes to collect samples and share results.

ID	FIT	CAS	RT
IS #1 PFOB	98	423-55-2	1:28
BENZENE	94	71-43-2	1:38
TOLUENE	88	108-88-3	2:25
IS #2 BPFB	74	344-04-7	3:05
P-XYLENE	95	106-42-3	3:08
O-XYLENE	98	95-47-6	3:09

The new user interface enables quick, easy-to-read data during field operation

ACCESSORIES DESIGNED FOR VERSATILITY

Remote Sample Collector

- Instant sample collection and storage
- Small, lightweight
- Enclosed vapor concentrator
- Durable
- Reusable cartridges
- Decontaminable

Split/Splitless Injection Port Applications

- Fentanyl and other drug analysis
- SVOC analysis
- Organic solvent analysis
- Liquid and solid sample prep kit included

Service Module

- Optional maintenance accessory
- Provides an alternate vacuum source
- Extends non-evaporable-getter (NEG) pump lifetime
- Service Module compatible with HAPSITE CDT and ER

INFICON: THE NAME YOU KNOW AND TRUST

For over two decades, INFICON has been the leader in the portable GC/MS industry with HAPSITE the most widely deployed portable chemical identification system in the world. INFICON is a trusted manufacturer with a long track record of working across multiple agencies, driving innovation with deep experience in analysis, measurement, and control technologies.

HAPSITE CDT

SPECIFICATIONS	
Dimensions (L x W x H)	51.3 x 50.4 x 20.0 (cm)
Weight	19.2 kg with 1 battery
Operating Temperature	0-45º C
Operating Humidity	5-95% relative humidity
Power	24VDC Ext Power, 28VDC LI-Ion Battery
Battery Life	5 hours w/ analysis mode (2 batteries)
Sample Inlets	Air cartridge, syringe injector
Mass Range	10-424 AMU (1-424 AMU in SIM Mode)
External Communication	802.11G, USB, GPS, Ethernet
GC Column	Restek RXi-5ms 10m x 0.25 mm ID, 0.25 um
Maximum Column Temperature	220º C
Carrier Gas	Nitrogen
Start Up Time	<15 minutes
Mass Analyzer Type	Quadrupole
Vacuum System	Non-evaporable getter (NEG) pump/ion pump and optional mechanical pumping accessory
Quantitative Methods	Yes
Libraries	AMDIS w/ configurable targeted library. NIST, NIOSH
Certifications*	CE, IP65
Warranty	2 years included

*Pending

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BI-IT0416-0