



# HAPSITE® Smart Plus

## Chemical Identification System

### UPGRADE HAPSITE SMART FOR EASIER OPERATION AND LOWER TRAINING COSTS

The HAPSITE Smart Plus upgrade makes it even easier and faster for users to detect, identify and quantify toxic industrial chemicals (TICs) and chemical warfare agents (CWAs) on-site. HAPSITE Smart Plus is the only person-portable gas chromatograph/mass spectrometer (GC/MS) that gives you lab-quality results within minutes – just the kind of reliable data you need to make critical decisions affecting life, health, safety and the mission.

#### EASY TO USE IN THE TOUGHEST CONDITIONS

A new, large touch screen display has icon-driven menus and color-coding to simplify navigation and highlight critical information. That makes HAPSITE Smart Plus easier to read and operate. The screen can be adjusted for optimal viewing.

To make HAPSITE Smart Plus even easier to use, we eliminated the need for the sample loop. Using the concentrator for both initial sampling and low-level detection in the ppb/ppt range cuts minutes off the time it takes to switch between sampling modes and eliminates concentrator breakage. The loop is still available as an option.

#### FASTER ANALYSIS

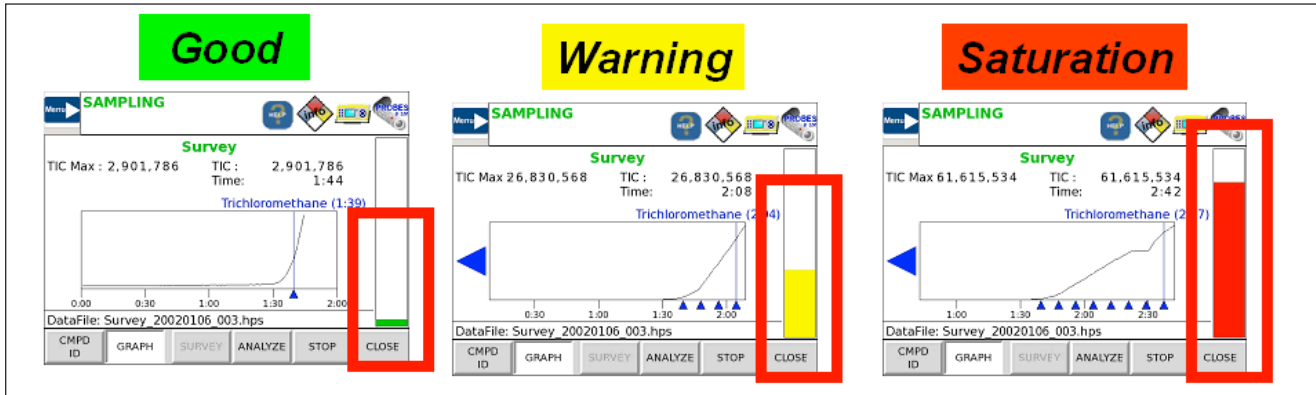
HAPSITE Smart Plus starts up and identifies hazardous chemicals within minutes. NIOSH and Immediately Dangerous to Life or Health (IDLHs) air concentration values are displayed through a hyperlink to the NIOSH database – eliminating the need to carry around a separate pocket guide.

#### NEW FEATURES

- Enhanced startup procedure speeds readiness
- Improved bright screen display and larger buttons make operation easier
- Sampling probe distance indicator
- Eliminating the sample loop and using the concentrator for all analyses saves time and money
- NIOSH database is accessible on the front panel
- A CD with self-guided course eliminates cost of retraining HAPSITE Smart operators on HAPSITE Smart Plus
- Convenient power button is on the front panel

#### FASTER, MORE EFFICIENT STARTUP

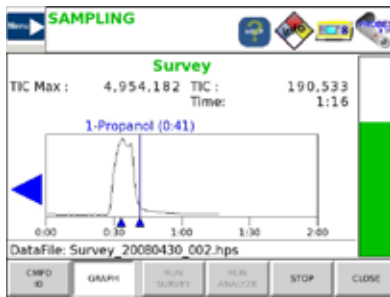
During startup, HAPSITE Smart Plus automatically detects any attachments and defaults to user-defined appropriate methods of analysis, saving critical setup time and minimizing the potential for operator error. At the same time, HAPSITE Smart Plus is heating components to the correct operating temperature. The instrument autotunes itself to ensure all data is accurate without the need for time-consuming manual tuning and then cleans out the concentrator to ensure low background interference.



Survey sampling indicator changes color to specify when a good sample can be achieved.

### CONFIDENCE IN YOUR SAMPLE

If you've ever received inconclusive results because you positioned the probe too close to a sample and it saturated the instrument, you will appreciate the new sampling indicator. In Survey Mode, the sampling probe distance indicator bar provides a visual confirmation of correct probe placement for optimum sample collection. Once proper sampling distance is established, the analyze button can be selected eliminating operator error due to saturation of the instrument.



Example of Survey Mode confirming correct distance from the sample.

### FAST TRAINING

An included CD allows experienced HAPSITE users to train themselves on the new front panel in less than four hours. To further ease the transition to HAPSITE Smart Plus, users familiar with HAPSITE Smart can choose to use the unit with the familiar Smart interface. Full training is still available to those with no previous HAPSITE experience. The training CD also includes information on other operational aspects, as well as the NIOSH glossary.

HAPSITE SMART PLUS ADVANTAGES		
Feature	Smart Plus	Smart
Color touchscreen	✓	
NIOSH on front panel	✓	
Probe distance indicator	✓	
Hazardous threat levels displayed in red	✓	
Runs on Smart interface	✓	✓
Basic training	1-2 days	3 days
Advanced training	1 day	4 days
Wireless	✓	
USB	✓	
Loop/Concentrator options	Loop/Tenax/Tri-Bed	Loop/Tenax/Tri-Bed
Concentrator only methods	✓	
One touch sampling (Survey → Analyze)	✓	
Automatic start (heat, tune, concentrator clean)	✓	
External power button	✓	

HAPSITE Smart Plus is fully compatible with all HAPSITE accessories, such as the Headspace and SituProbe Sampling Systems and the HAPSITE Service Module.

DETECT TO PROTECT™

