

**chem-ID™**



**METH LABS**

## **How do You Round Up The Ingredients?**

### What is the chem-ID?

The chem-ID is a parts-per-billion gas analyzer that characterizes chemicals using two-dimensional gas chromatography. The chemical signatures of gases and out-gassing liquids and solids are measured and recorded in the field. Each chemical signature contains information on the individual compounds and concentrations of the chemicals present in the sample. Because the chem-ID is rugged, it can be used in most locations and under most harsh conditions.

Meth labs can be analyzed for hazardous levels of toxic substances before officers are exposed to dangerous chemicals. Meth lab chemicals can be analyzed and recorded for evidence in real-time. The chem-ID can be configured to include a customizable library to fully correspond with the Department of Justice list of covered substances relative to clandestine labs. Additionally, arson investigators can quickly and accurately assess fire sites for accelerants.

The chem-ID operates using 4 large control buttons, a large color LCD display, and menu-driven software. It can also be operated by remote control via the built-in Bluetooth wireless radio. The chem-ID automatically performs the functions needed to precisely measure a chemical sample, produce and record the two-dimensional chromatograph signature of the sample, and clean itself in preparation for the next test.

The two gas chromatograph columns in the standard chem-ID use DB-1 (Dimethylpolysiloxane) and DB-wax (Polyethylene glycol) stationary phases. Alternately, almost any column can be installed to meet your unique test requirements. The chem-ID comes standard with a preconcentrator loaded with Tenax TA as a trapping agent. Again, almost any trapping agent(s) can be used to meet specific test requirements.

The chem-ID PC Manager software provides an easy to use tool to operate the chem-ID by remote control, download chemical signatures, or analyze previously measured data. Operating the chem-ID by remote control simulates the same controls as the chem-ID - no additional training is required. Chemical signatures can also be saved as standard CSV format files.

