

# Micro GC Fusion™

## Gas Chromatograph

### MICRO GC TECHNOLOGY THAT IS SENSITIVE, SMART, AND EASY-GOING

INFICON Micro GC Fusion offers advanced features in a compact, lightweight chassis that is easily transportable, allowing for accurate and timely analysis where and when it is needed. Building on proven Micro GC technology, coupled with rapid temperature programming, Micro GC Fusion covers C12+ gas phase analysis with excellent sensitivity and repeatability. The sensitive, smart, easy-going Micro GC Fusion is the perfect blend of ease-of-use coupled with powerful analytical capabilities to meet the most challenging gas analysis needs.

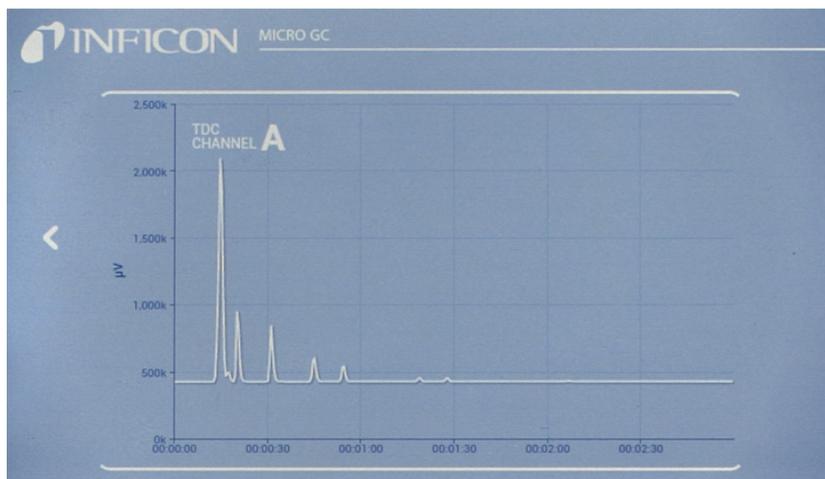
#### APPLICATIONS

Micro GC Fusion is ideal for many on-site or laboratory applications:

- Natural Gas and Extended Natural Gas analysis
- Refinery Gas analysis
- Dissolved Gas Analysis (DGA)

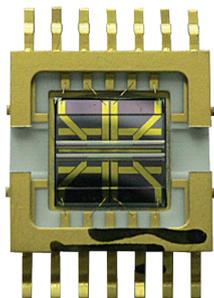
#### FEATURES AT A GLANCE

- Fast column temperature programming enables C12+ analysis
- MEMS TCD provides 10 times more sensitive analysis than traditional TCD
- Integrated 6 in. multi-touch LED backlit display provides intuitive instrument control and status display
- Intelligent web-based GUI and Wi-Fi allows operation from any web-enabled computing device
- Module-based design enables easy application adaptation, system maintenance and OEM integration
- Compact chassis with integrated sample conditioner (optional) provides accurate GC analysis in the lab, on-line, or in a vehicle



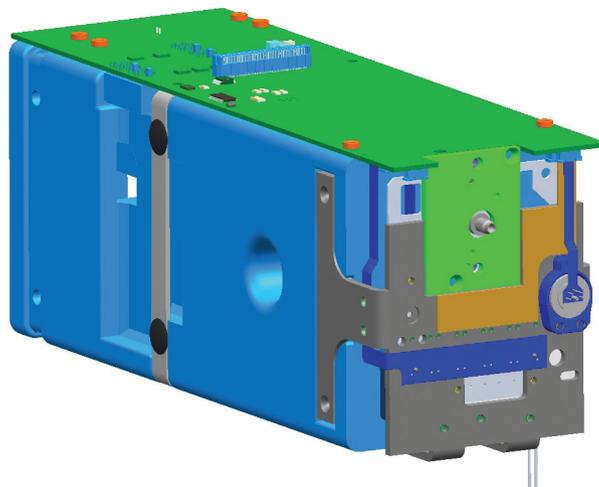
*Integrated 6 in. multi-touch LED backlit display provides intuitive instrument control and status display.*

## FUSION IS SENSITIVE



*MEMS μTCD capable of measuring down into the low ppm range*

Micro GC Fusion is equipped with a Microelectromechanical systems (MEMS) micro Thermal Conductivity Detector (TCD) that offers a 1ppm detection limit, which is at least 10 times more sensitive than traditional TCD. The temperature programmable GC column focuses the late eluting peaks, providing advanced control over peak resolution and significant sensitivity gain for heavier hydrocarbons.



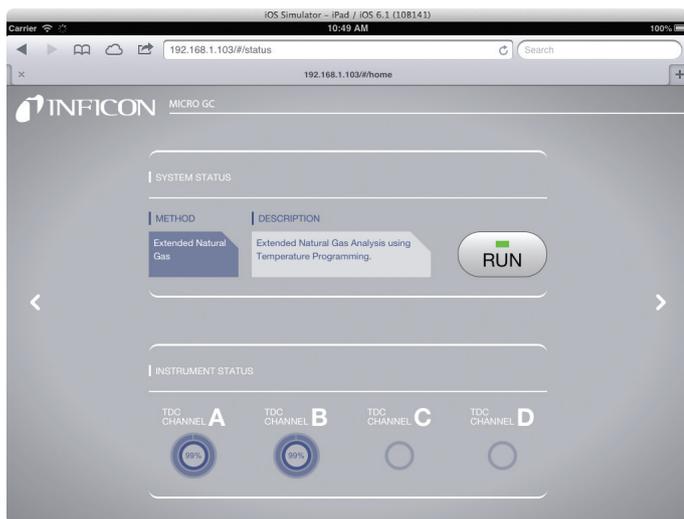
*Plug-n-Play GC module with temperature programming capability*

## FUSION IS SMART

Micro GC Fusion offers a multi-touch front panel display and IEEE 802.11a/g/n Wi-Fi network protocol. Analysis can be run directly from the front panel or from an external wirelessly connected computing device. The browser-based chromatographic software is operating system independent and license free. The software interface can dynamically adapt to any display dimension, allowing the user to operate the instrument with ease from a tablet, laptop or desktop PC.

## FUSION IS EASY GOING

Micro GC Fusion is based on a modular GC design. Each module is comprised of an injector, a temperature programmable column and a detector. The user can easily exchange a GC module on-site in minutes to quickly adapt to new applications or conduct instrument maintenance. The modules can also be easily adapted for OEM integration. The MEMS injector in the GC module eliminates complex valve-switching programming typical in a bench top GC, and the integrated sample conditioner allows the operator to accurately analyze sample gas stream at input pressures up to 1000 psi.



*Extended natural gas method selection and run screen using browser-based software.*

