

UCS 2000

**Ultimate Carrier Solution
for all Agilent GC systems**



Touchscreen panel: electronic selection of alternative carriers (Nitrogen/Helium)

Burner unit: completely eliminates all excess chemicals & carrier gas

Electronic flow control: full control of the delivery of carrier gas

Automated protection against flame off, power loss, low gas supply pressure & more

Safe use of Hydrogen as a carrier gas

Sion Technologies' patented Ultimate Carrier Solution (UCS) introduces a groundbreaking technology to the analytical industry, finally allowing labs to safely use Hydrogen as a carrier in GC & GC/MS applications by burning all excess Hydrogen gas, split chemicals and fully controlling the supply of carrier gas to GC and GC/MS.

Improved Analysis. Significant cost savings

UCS-2000 is an attachment device to all Agilent available GC systems enabling laboratories to enjoy the full benefits of Hydrogen using their existing Agilent equipment, introducing significant cost savings and efficiency improvements while operating in a safer and more environmental friendly way. The UCS-2000 completely eliminates the release of hazardous gases and chemicals during analysis and saves more than 95% of carrier costs.

UCS 2000

Key benefits



Safe and reliable Hydrogen supply
UCS2000 eliminates dangers associated with Hydrogen



Continuous, effortless operation
works 24/7/365, without requiring ongoing maintenance or consumables



Higher throughput
by saving 50% of the analysis time



Fast ROI
95% cost savings compared to Helium



Environmentally friendly
completely eliminates the release of hazardous chemicals

Technical data

Compatible Agilent GC Systems	6890, 7820, 7890A, 7890B, 8860 and 8890
Physical Dimensions	540mm (W) x 113mm (D) x 400mm (H)
Operating Voltage / Current	100v-230v / 0.5A (12 & 24 V DC)
Weight	4 Kg
Touch Control Panel Size	4.3" (131mm x 78mm)
Split Flow	0-300 ml/min H2
Operating Temperature	130°C - 1,200°C
Fault Detection	<10 seconds
Adjustable Automatic Fault Recovery	Admin defined
Main Carrier	H2
Alternate Carrier	He or N2
H2 Consumption	H2 mode: 20-70 ml/min He mode: 40-140 ml/min
Air Consumption	500-600 ml/min
Number of Injectors	Up to 2 split/split-less
Input Ports	3 (H2, air, alternate carrier)



Unique laboratory solutions, easy to use, efficient and cost-effective



Call: **972-4-8438992**

sion@sion-tech.com

www.sion-tech.com

Sion was Founded in 2015 by leaders in the field of analytical device manufacturing, Sion develops advanced laboratory analytical instruments and associated support systems. The Company's goal is to integrate knowledge, experience and ergonomics, in the development of analytical products, with the objective of making the impossible possible.