Precision Hydrogen Trace 250

FID and FPD as well as collision gas for ICP-MS

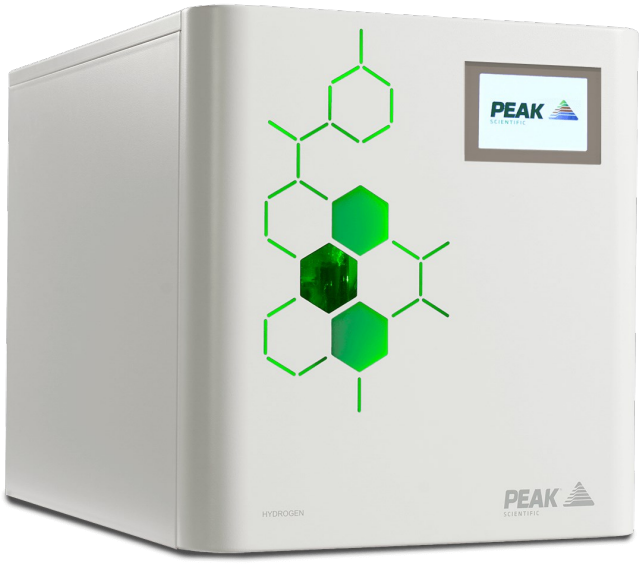
Part number: 64-0250

Description

The Precision Hydrogen Trace 250 generator is designed primarily for GC carrier gas use, and can also be used for detectors, requiring a hydrogen on demand solution for fuel gas such as FID and FPD. One generator is capable of supplying multiple GC instruments.

This generator offers a safe, reliable and convenient solution for those using hydrogen for GC carrier gas, producing the highest purity of hydrogen from the Precision Series by utilising a Proton Exchange Membrane to create the hydrogen gas from deionized water, as well as Pressure Swing Absorption and molecular sieve technology to remove moisture content down to trace levels. The Precision Hydrogen Trace generators are also suitable for providing collision gas for ICP-MS.

The Precision Hydrogen Trace 250 generator also comes with many highly robust safety features as standard, allowing for peace of mind in the laboratory and a far safer, dependable and more convenient alternative to cylinder gas.

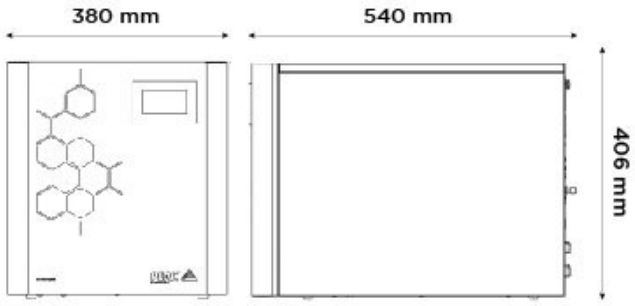


Application Types

GC & GC-MS Carrier & Detector Gas, ICP-MS Reaction gas

Generator Details

- **Gas types:** Hydrogen
- **Integrated compressor:** No



Key Features

- Suitable for flame gas and carrier gas at trace detection limits
- 99.99999%* Purity
- Internal leak detection with automatic shutdown features
- Proven PEM technology to generate hydrogen safely and reliably
- Regenerative PSA dryers to ensure highest level of purity
- Automatic loading pump as standard
- Maintenance limited to replacing de-ionizer cartridge
- Compact, space-saving modular design
- Creates hydrogen on demand, minimal storage of hydrogen in the system
- Combine multiple units for higher flow requirements
- GC in-oven hydrogen leak detector available as an optional extra
- Peak offers a 3 year cell warranty with this generator as standard.

*based on O2 content independently verified by National Physical Laboratory, UK

Technical Specifications

	Precision Hydrogen Trace 250 GC Carrier Gas
Gas Type	Hydrogen
Max Gas Flow:	250 *cc/min
Max Output Pressure:	100psi/6.9bar
Max Output Pressure:	100psi/6.9bar
Max Purity:	99.99999% *
Gas Outlets Fitting:	1 x 1/8" Swagelok compression fitting
Water Purity Requirements:	ASTM Type II (<1 µS/cm / >1 MΩ-cm)
Water Consumption:	0.17-0.46 L/Day
Start Up Time:	90 mins
Power Consumption:	477 Watts
Voltage:	110 / 230
Frequency:	50 / 60
Current:	6 Amps
Heat output:	1000
Max Operating Temp:	35°C / 95°F
Accreditations:	CSA, CE, FCC
Size (HxWxD) mm	406 x 380 x 540 mm
Size (HxWxD) Inches	16 x 15 x 21.3 inches
Generator Weight	29kg / 63.8lbs

* All flow rates are stated in sccm at 273.15K and 1.01bar ** Based on O2 content independently verified by National Physical Laboratory, UK

[PEAK Protected]™

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed with a 12 month warranty. Beyond this period however you can ensure that your investment continues to be **[Protected]** by our comprehensive generator care cover.

Our world-class aftercare support packages deliver a program of scheduled preventative maintenance whilst giving you the reassurance of instant access to worldwide technical support and priority on-site response in the untimely event of a breakdown.

- For ordering parts visit: www.peakscientific.com/ordering/
- For service plans visit: www.peakscientific.com/service/service-plans/

Peak Scientific UK
Tel: +44 (0)141 812 8100
Fax: +44 (0)141 812 8200

Peak Scientific North America
Tel: +1-800-767-6532
Fax: +1-978-608-9503

Peak Scientific China
Tel: +86 21 5079 1190
Fax: +86 21 5079 1191
For a full list of our worldwide office locations, please visit:
Web: www.peakscientific.com
Email: discover@peakscientific.com

Peak Scientific's Quality Management System conforms to: ISO:9001