



## The key features of the GEO 20-20

- D/H,  $^{13}\text{C}/^{12}\text{C}$ ,  $^{15}\text{N}/^{14}\text{N}$ ,  $^{18}\text{O}/^{16}\text{O}$  and  $^{34}\text{S}/^{32}\text{S}$  precision measurement
- PentaBloc ultra-low dead volume dual-inlet system with automatic cold finger
- Inlet valves are of the normally-closed type for fail-safe operation
- Extended geometry of 21 cm effective radius
- High transmission from true stigmatic focusing for all gases (including both H<sub>2</sub> collector options)
- Very high focusing stability from 120° optics
- Truly universal Faraday triple collectors for flexibility
- Compatible with all continuous-flow sample preparation systems

The instrument is designed to the highest specification and combines state of the art technology with moderate cost. It can be used in dual-inlet and continuous-flow modes with a variety of optional add-on accessories and sample preparation systems.

## GEO 20-20 can be upgraded:

The GEO is a bench top dual-inlet IRMS ready to be connected to a host of automated sample preparation units:

**CAPS** Carbonate acid preparation system

**WES** Water equilibration system  
10/20 sample manifold  
Tube crackers

A built-in continuous flow interface means that the GEO is also ready to be connected to our automated continuous flow sample preparation modules:

**ANCA-SL** Solids/liquids preparation module [C, N, S]

**ANCA-GSL** Gas/solids/liquids preparation module [C, N, O, S]

**ANCA-TGII** Trace gas purification module [Tracer, N<sub>2</sub>O, CH<sub>4</sub>]

**ABCA-G** Gas purification module

**GC-CP** GC combustion/pyrolysis interface [water, organics, pyrolysis, D/H,  $^{18}\text{O}$ ]



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