

New Product Information

Release: HAPR0032

Release date: immediate

Hidden's HPR-40 System and Biofuels From Algae

Algae-based biofuels such as biodiesel or bioethanol, have significant advantages over crop-based biofuels. Algae grow at a significantly faster rate than more complex plants, they have far greater yield per unit area and they can be grown in compact, closed systems. One further advantage is the short lifespan and hence a faster cycle of testing and research into suitable biofuel candidates. It is this testing phase that benefits from Hidden's dissolved species analyser, the **HPR-40**.

The **Hidden HPR-40** research-grade mass spectrometer system provides for real-time analysis of dissolved gases and vapours in aqueous solutions such as respiratory gases and hydrocarbon production. All gaseous species with molecular weights below 300 amu can be measured.

The **HPR-40** system is fully programmable with simultaneous multiple species monitoring capability. An optional multiport inlet manifold extends the application range allowing sequential measurement from up to eight sampling points. The **HPR-40** is ideally suited to this fermentation culture analysis as well as having other applications such as gaseous and volatile organic species monitoring in media such as sea water and soils, and evolved gas studies from microbiological systems. A custom-design service is available for evaluation of non-standard requirements.

For further information on all Hidden Analytical products contact **Hidden Analytical** at info@hidden.co.uk or visit the main website at www.HiddenAnalytical.com

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*HPR-40 dissolved species analyser*