



PROTECTING OUR ENVIRONMENT

NEW

**LAB ON
THE
MOVE**



ALGAE-600P

**Easy to detect and monitor
environmental contaminants**

Hexsor Scientific is one of the world leaders in the design, development and implementation of sensors & systems to assess contaminants in water, soil and air. Our current analysers are the only flexible portable instruments based on SPECTROSCOPY and MASS SPECTROMETRY techniques for on-site monitoring of environmental contaminants. The primary objective of our company is built around delivering complete turnkey solutions for your specific business requirements.

The novel **ALGAE-600P** analyser is an entry level version of algae toxins measurement platform. This latest development using optical technology provides accurate and precise measurements, and offers the flexibility to detect microalgae and total toxins in waters.

The ALGAE-600P is a flexible portable instrument for both laboratory and on-site monitoring of toxins in water, from trace to high concentrations. It has the capability to measure the amount of algae content in the water sample through both solvent extraction method and direct measurement (solvent-free), and provides a relative measurement of the contaminants in water.

ALGAE-600P offers the on-site monitoring of source waters for Harmful Algae Blooms in a wide variety of conditions by measuring the intensity of the fluorescence characteristics of phytoplankton chlorophyll. Fully automated wavelength and light source calibration optimizes the measurement accuracy.

The powerful interactive support tools in the application software are designed for the following:

- Algae types recognition;
- Easy build-up of calibration files;
- Quick analysis of the samples to be measured;
- Providing design data analysis reports;
- End-to-end automated data processing;
- Quick generation of a comprehensible report and share the results simultaneously through Wi-Fi.

This new and innovative portable analytical system with unique software solutions have been used to analyse water quality so as to provide accurate and timely information on the occurrence of contaminants, enhance ecosystems understanding and improve mitigation planning.

The approach here provides contaminants (and other) data in real time, which is far better for the planning and implementation of the recovery phase.

Features and benefits:

Compact, lightweight and robust, the truly portable ALGAE-600P makes it easy to use for on-site analysis, which allows real-time decision making quick.

Typical test time <2 seconds per sample. All data processing is performed in the analyser touch screen panel. No post-processing necessary using an external computer.

Touch screen display allows easy sample analysis and display of data without a PC. Powerful HexaSoft interactive software is user friendly and provides simple, quick and easy calibration.

Intelligent auto-calibration routine that offers fast and reliable light source calibration with minimal user input. Doesn't need factory re-calibration. Instrument is provided with reference check samples.

Long lifetime and highly stable light source. Based on the fluorescence principle.



Other Portable Analysers



Spectroscopy

Introducing
an easier way to detect and monitor
environmental contaminants.



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**Got questions?
Go ahead, ask the experts-
info@hexsorscientific.uk**

**Measurement of contaminants
and data capture made easy.**

Mass Spectrometry

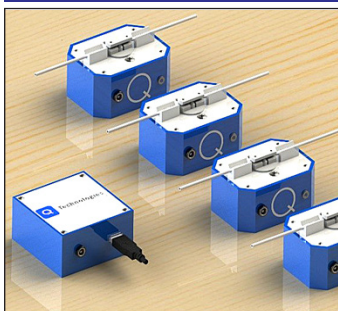


Vapoursense

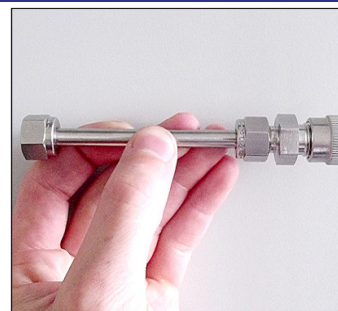


AquaMMS

Valves & Inlets



Smart Inlet Valves

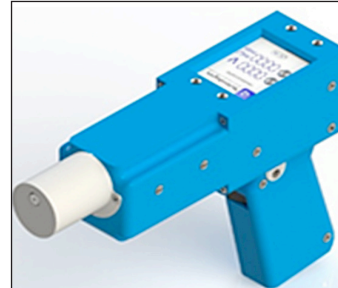


Membrane Inlet

Our Application List:

1. Environmental Monitoring
2. Oil and Gas
3. Maritime
4. Homeland Security
5. Nuclear
6. Aquaculture

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DAPCI - Ambient
Ionisation Source