

Ancon Technologies Unveils Advanced, Portable Aerosol Sampling Device

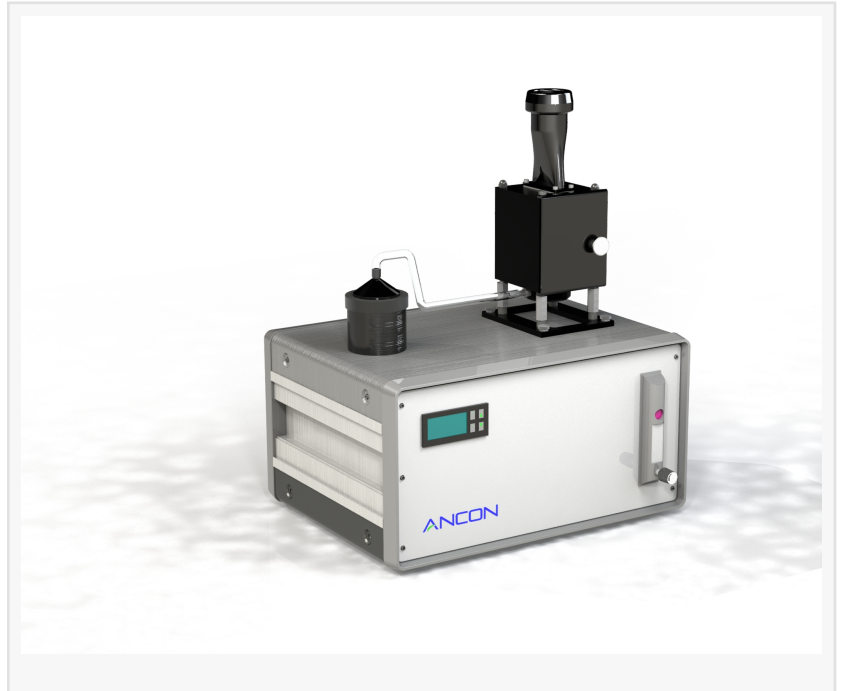
Aero Select provides ground-breaking environmental monitoring, pollutant detection solution

CANTERBURY, KENT, UNITED KINGDOM, November 25, 2016

/EINPresswire.com/ -- A leading applied science company has developed a ground-breaking new portable air particle sampling technology that promises a wide range of scientific and industrial applications, including monitoring environmental health, detecting pollutants and identifying Nano and micro particles in the atmosphere.

Developed by British-based Ancon Technologies, the Aero Select is a compact, light-weight device that can

detect particles across the aerosol range. The technology has promise for wide-ranging application across many industrial uses, such as occupational hygiene, environmental research, automotive manufacturing, atmospheric science, nanotechnology and microelectronics.



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Ancon unveils advanced, portable aerosol sampling device that provides ground-breaking environmental monitoring, pollutant detection
Wesley Baker

The Aero Select provides researchers and technicians with a portable device that delivers laboratory accuracy in detecting the size, structure, morphology and chemical composition of aerosol particles.

“The [Aero Select a powerful](#) tool for detecting the environmental impact or health risks associated with aerosol exposure,” said Wesley Baker, Commercial Director. “Our new product compresses advanced technology into an easy-to-operate device that gives users a number of options for

measuring and monitoring aerosol levels. The possibilities for this technology are as widespread as they are fascinating.”

The Aero Select will be useful in a wide-range of markets and industries, including:

- Environmental monitoring - With growing concerns about the health impact of nanoparticle emissions, the Aero Select empowers accurate, timely and cost-effective control of diesel and other combustion processes, such as incineration, nuclear power generation and aircraft emissions.

- Clean rooms - The Aero Select can monitor the stringent air quality standards needed to maintain the rigid requirements for clean room applications.
- Occupational health - The occupational health risks associated with manufacturing and using nanomaterials are not yet clearly understood, as workers in nanotechnology industries can be exposed to uniquely engineered materials with novel sizes, shapes, and physical and chemical properties. The Aero Select provides the technology to detect airborne particles of a variety of sizes and properties.

The Aero Select is powerful enough to measure particles from across the entire aerosol range, with the ability to determine concentrations of particles during processes like combustion and distinguish man-made particles against a background of naturally-occurring aerosols. The technology is accurate enough to detect target substances against background atmospheric aerosols by a factor of 20,000,000.

The device's size and shape make it convenient to transport, while a simplified installation process and a 24-hour programmable timer to provide an auto-start option if delayed operation is needed. With 12 Cascading size channels, the Aero Select minimizes sampling errors caused by turbulence and corrosion, as the design reduces time and costs associated with analytical testing.

"Whether it's electronic and industrial manufacturing, scientific research or environmental monitoring, the Aero Select offers a powerful atmospheric testing tool that stands to improve productivity, efficiency and most of all, safety," Baker said.

Ancon Technologies' Aero Select follows up on its revolutionary Nanotechnology Molecular Tagging system, which can be programmed to detect specific molecular markers. The NMT technology, and its variants can be used to detect atmospheric levels of everything from chemicals used in explosives to the biological molecules that indicate disease.

[Ancon Technologies is](#) headquartered in Canterbury, Kent, UK and has a satellite office in the U.S. in Bloomington, Minnesota.

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