



Press Release

FlexScan – A New Hand Held FTIR for Dedicated Out-of-Lab and Field Use

January 20th, 2010, Danbury CT

A2 Technologies announced today the availability of its newest portable FTIR system, Flexscan. Flexscan is a superior performing, mid IR spectrometer that fits in the palm of one's hand. A2 Technologies now offers two hand-held FTIR systems, Flexscan, for dedicated field analyses, and Exoscan, for lab and field use

Flexscan is ideal for dedicated applications that require the use of FTIR spectroscopy in out-of-lab settings. Since Flexscan's hand-held optics weigh approximately 3 pounds, its light weight and extremely compact size is perfect for applications that require repetitive analyses on large surfaces, or in locations that are physically restricted. Flexscan is offered with a variety of sampling interfaces including diffuse, grazing angle, ATR and specular reflectance. Thus a broad range of materials can be analyzed including polished or roughened metals, polymers, composites, plastics and most other solids. Scientists and engineers involved in applications including analysis of composites and metals used in aircraft and marine vessels, analysis of minerals or soils, surface coating analysis, analysis of contamination, corrosion or oxidation of surfaces, and in a wide range of research or troubleshooting applications, will find the Flexscan a powerful ally.

Flexscan consists of two parts: an optics module that contains the source, interferometer and detector all optimally coupled with sampling optics; and a power module that contains battery and electronics. The latter module is available either belt-mounted or held by a shoulder strap. The performance of Flexscan rivals or exceeds that of far larger, traditional analytical bench top FTIR spectrometers. This is a result of a patented modulator that has extremely short internal pathlength while retaining a large optical aperture. An important benefit of this design is that the spectrometer is very rugged, making it ideal for out-of-lab use.

Graham Miller, President of A2 Technologies, comments: "With Exoscan and our other portable FTIR analyzers, we proved that there is a strong requirement to take FTIR out of the laboratory. Furthermore, our customers showed us that there is a glaring need for a dedicated hand-held system with the performance of Exoscan and a form factor and weight conducive to analyses that require multiple measurements over a large area or surface, as well as for measurements in hard to access locations. Thus, we developed Flexscan."

To see how A2 Technologies' Flexscan and Exoscan product family of hand-held FTIR systems can aid you in your work, please contact us at, please contact A2 Technologies Headquarters at 203.312.1100

email: info@a2technologies.com or Internationally, A2 Technologies LLC in Europe / Asia on telephone +44 7765 970

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About A2 Technologies

Headquartered in Danbury, Connecticut, A2 Technologies specializes in FTIR Technology for lab and field use. A2 Technologies manufactures and develops portable FT-IR spectrometers designed for the analytical needs of the petrochemical, environmental, aerospace, art conservation, academia, geoscience general environments where there is a need for analysis. The portable FT-IR analyzers extend the proven capabilities of Fourier Transform infrared technology by rendering sample preparation obsolete and ensuring real time results.

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