



FLEXSCAN

QUESTIONS AND ANSWERS

- Q: I am considering the purchase of a hand-held FTIR. I see that A2 offers both the FlexScan and the Exoscan. Which one would you recommend to me?**
- A: This is dependent on how you intend to use your hand-held FTIR. If it is to be used for a dedicated field application where the lightest possible weight is important (such as if your application requires repetitive measurement over a large area), then FlexScan is your choice. If you intend to use your system frequently in both the lab and field, Exoscan is a great choice.
- Q: Be more specific - what are the differences between Exoscan and FlexScan?**
- A: FlexScan and Exoscan contain the identical optics – A2 Technologies’ patented optical system that has an extremely short internal pathlength, coupled with large aperture optics providing performance that rivals or exceeds far larger, traditional FTIR spectrometers. In Exoscan the optical system, electronics and power source are contained in one enclosure. In FlexScan, the same subsystems are separated into two modules – a light weight, hand held optical head and a shoulder or belt mounted electronics module. Both systems offer the choice of ATR, diffuse, specular and grazing angle interfaces. Exoscan is offered with a docking station that makes it convenient for use in a bench-top lab environment as a work-horse methods development system – FlexScan is ideal for dedicated field measurements.
- Q: Are all the sampling interfaces interchangeable on both the FlexScan and the Exoscan?**
- A: The external reflectance, grazing angle reflectance, and ATR interfaces are swappable in the Exoscan only. The FlexScan can be configured with any sampling system you require, but the sampling interfaces are not field swappable on the FlexScan.
- Q: What applications does A2 envision for FlexScan?**
- A: Because of its light weight, FlexScan is ideal for applications that require repetitive measurements over a large surface. Because of its compact size, it is also ideal for applications where access to the sampling area may be physically restricted. FlexScan can analyze a broad range of materials including polished or roughened metals, polymers, composites, plastics and most other solids. Specific applications for FlexScan include 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.
- Q: What kind of data system is offered for FlexScan? What software is offered?**
- A: FlexScan links via Bluetooth communication to PDA and/ or laptop data station. A2 Technologies’ powerful, yet easy to use Microlab FTIR software is offered with all systems.

Q: **Please summarize the differences between the FlexScan and Exoscan hand held systems:**

A: **FlexScan:**

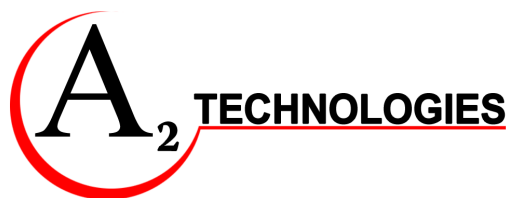
- Designed for field deployment in dedicated applications
- Suited to repetitive measurements over large surfaces or physically constrained sampling locations
- Dedicated sampling
- Controlled by PDA or laptop via Bluetooth
- Can be mounted on extender arm
- **Overall: easy to use, application-dedicated system for out-of-lab use**

Exoscan:

- Designed for lab AND field use
- Offers docking station, providing stable platform for benchtop measurements, battery charging system and USB connection to data system
- Interchangeable sampling heads for diverse applications
- Can be used with PDA, laptop or desktop computer
- **Overall: powerful system for lab and field use, perfect choice for the scientist charged with developing methods and implementing them in field**

Q: **I own an Exoscan but need a FlexScan. Do you have a trade-in policy, or special pricing if I want both systems?**

A: Please contact your salesperson for information on special Exoscan-FlexScan offers.



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