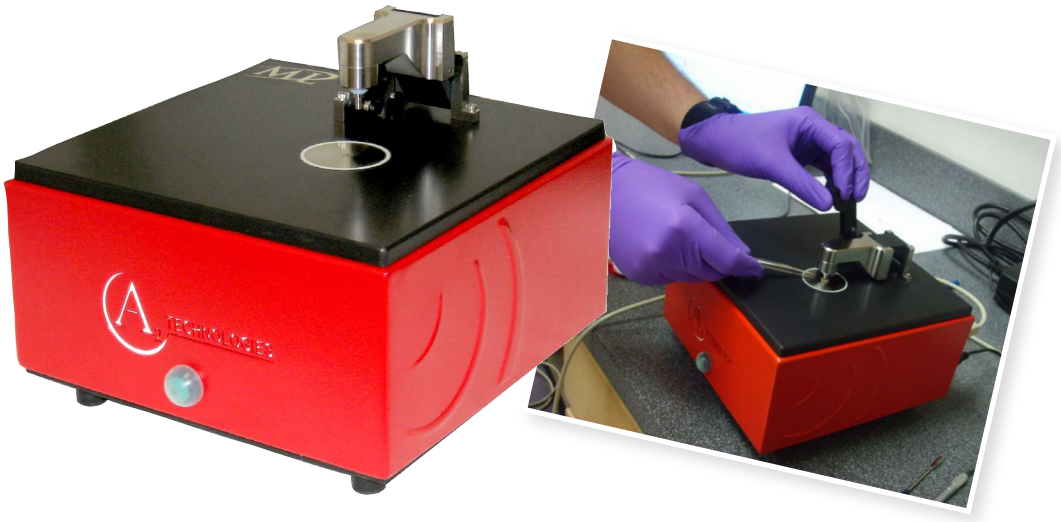
ML



PRODUCT HIGHLIGHTS

- Small and lightweight
- Highly accurate mid IR analysis
- No sample preparation
- Lab, fume hood or field use
- Available with general purpose and specific method
- 12 VDC cigarette lighter adapter for mobile uses
- Integrated TumbIIR Transmission Cell
- Ideal for on-site, in field use.
- USB connection to any PC

SYSTEM SPECIFICATIONS

• Display	External computer
• Size	8” X 8” X 4.5”
• Weight	8 lbs.
• Operating Ranges	-10 C to 50 C 14 F to 122 F
• Power	100/120/240 VAC 50/60 Hz 12 VDC Option
• Warm Up Time	10 minutes
• Response Time	2 Minutes

SYSTEM REQUIREMENTS

• Operating System	Windows XP™
• Processor	Pentium IV 3GHZ
• Memory Ram	1GB
• Hard Disk	40GB

Compact and Powerful

The MicroLab (ML) is an extremely small mid-IR fingerprint region spectrometer specifically designed for sample analysis in challenging, multi-user environments. The heart of the system is a patented, rugged interferometer field proven to be used in any environment. The ML was designed to give the user ultimate flexibility in where to use the system whether it’s a traditional analytical lab, a temporary field lab or even in the field.

The ML was designed to give the user the capabilities of much larger, traditional FTIR benches in a significantly more compact size. It is simple to use and will analyze an exceptionally broad range of liquids, powders, pastes and gels. With the touch of a button, the ML provides valuable information about the identity and amount of chemical substances present in a material.

The ML Will:

- Monitor the quality of products
- Determine ingredients in a mixture are at the proper levels
- Assess quality of incoming raw materials
- Identify contaminants
- Monitor the mixing, blending or curing process
- Track the decomposition of key additives in a blend

Simple to Use - Minimal Training Required

With the ML’s innovative sampling interface, no sample preparation is required, measurements take less than 2 minutes and cleanup takes seconds. Because the ML’s software and user interface are intuitive, no technical training is required to use the system.

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Sample Types

• Polymers • Oils • Gels • Greases • Pastes • Dairy • Acids • Gasoline

• Bases • Diesel • Liquids • Wine • Foodstuffs • Powders • Solids • Soil

Applications

• Food Adulteration • Soil Analysis • Incoming QA/QC • Final Product QA/QC

• Petrochemical blending • Regulatory Compliance • Fine Chemicals • Recycling

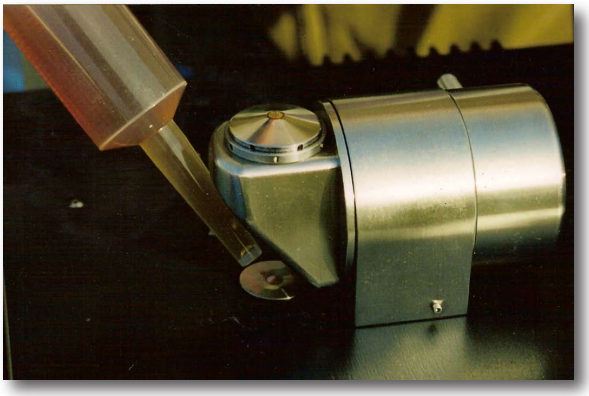
Sample Measurement with the ML

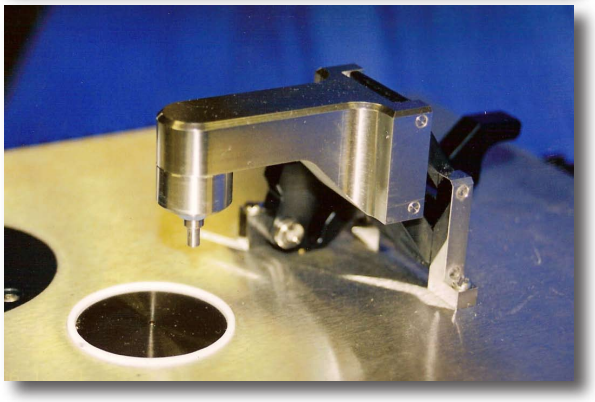
The ML uses two different sampling systems selected for the nature and purpose of the analysis.

A TumblIR sampling system quickly and easily analyzes the identity and/or amount of components in a liquid. Simply place a drop on the lower window and rotate the top window into place until it locks, effectively sandwiching the liquid - this provides a reproducible path length every time. The transmission sampling system is ideal for quantifying minor components in a liquid.

A diamond internal reflection (DATR) sampling system permits the analysis and measurement of virtually any type of solid or liquid substance. Simple place the substance on the diamond window and make the measurement. A pressure device ensures that powders and solids uniformly contact the diamond, providing the best possible quality information.

Technical Details
****Due to ongoing product development, specifications subject to change without notice.***





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A2 Technologies - 14 Commerce Drive - Danbury / CT 06810 - USA: (203) 312-1100 International: +44 (0) 7765 970 210 - www.a2technologies.com