The i-LAB™ Hand Held microSpectrometer

Product Summary

The i-LAB Hand Held microSpectrometer was developed to give users the flexibility to test liquids when and where they want.

Key Features

- **Portability**
  Weighs 7.4 ounces! Allows users to take the instrument to the sample.
- **i-LAB Spectrum™ Software**
  Enables users to build custom methods while extracting sample data from i-LAB.
- **Disposable Samplettes™**
  For easier sample collection and reduced risk of cross contamination.
- **Live Scan Feature**
  Allows for full screen display of real time sample data.

Markets and Applications

Laboratory
- Rapid Data Collection & Analysis
- Custom Research Methods

Process Plant
- Quality Assurance & Control
- Timely Sample Testing at Source
- New Product Research

Remote Field
- Water Quality Testing
- Agricultural Monitoring
- At Site Sample Analysis

Classroom
- College Chemistry Labs & Experiments
- Innovative Science Teaching Tool

i-LAB™

The i-LAB Hand Held microSpectrometer

is a versatile and powerful instrument that allows users to capture and record spectral measurements in their work environment. The i-LAB utilizes microSpectral Sensors' patented, integrated sensing system technology. This technology has miniaturized the core optical system used by spectrometers thus enabling i-LAB users to bring the instrument to the sample. The i-LAB system features a powerful PC software program named i-LAB Spectrum that allows users to extract data from up to 500 samples measured with the i-LAB. Customer specific methods can be readily created and transferred with the software to the i-LAB. The system also has a "Live Scan" feature that enables users to capture data from a sample and import it directly into the i-LAB Spectrum Software. For ease of conducting measurements, the i-LAB features innovative, disposable Samplettes that are available in a variety of pathlengths. Customized optical systems can be developed for the i-LAB to meet unique customer applications.

"Bringing the Instrument to the Sample!"

LaMotte

PO Box 329 • Chestertown, MD 21620
800-344-3100 • f 410-778-6394
www.lamotte.com

i-LAB™ *"Bringing the Instrument to the Sample!"*

Technology Overview

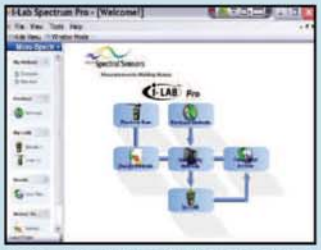
The i-LAB features our patented, integrated sensing system comprised of a high efficiency, linearized photodiode array detector and high stability, high output, low power LED light sources.

i-LAB 560 Specifications & Features

Wavelength Range	400 - 700 nm
Bandwidth	4 - 7 nm (1% of center wavelength)
Light Source	Spectrally Balanced LEDs
Display	Backlit LCD, 2" x 2"
Detector	Linearized Photo Diode Array
Communications	mini-USB
Dimensions	2.75"(w) x 5"(h) x 1.75"(d)
Weight	7.4 Ounces
Power	Approx. 1 Watt using 3 AA Batteries
Data Logging	Up to 500 Spectra
Method Storage	Up to 100 Methods
Approvals	CE
i-LAB System Price	$ 995 - Basic Code 3-0043 $1295 - Standard Code 3-0044 $1645 - Professional Code 3-0045

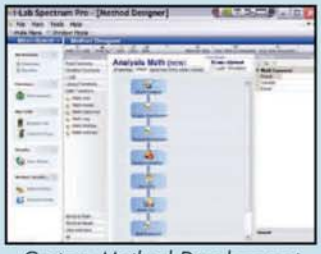
Manufacturing Specifications and Features Subject to Change

i-LAB Spectrum Software
Simplifies Spectral Data Extraction, Management, and Analysis.



Data Acquisition & Management

Advanced Data Analysis Tools



Custom Method Development

Product Selection

i-LAB Part Number Matrix	Measurement Range	Software	Sampler Pathlength
i-LAB	☐	☐	☐☐
	V - Visible **C** - Custom	**1** - Basic **2** - Standard **3** - Professional	**10** mm **20** mm* **40** mm* **99** Custom
Example **i-LAB**	V	2	10

LaMotte
PO Box 329 • Chestertown, MD 21620
800-344-3100 • f 410-778-6394 • www.lamotte.com