

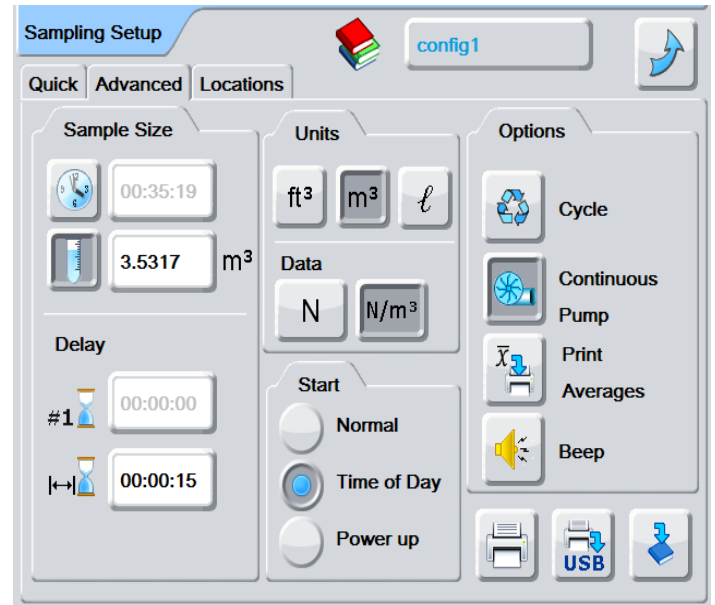
LASAIR III Project

The **LASAIR III** project is to develop firmware for a portable aerosol particle counter device that is used for cleanroom monitoring and facility certification.

The project includes development of a touch screen user interface and business logic for guiding a user through the certification process. The **LASAIR III** application guides the user through the certification process, verifies adequate sample numbers and volumes, collects the data, and then prints a final report on a thermal printer or creates an MHT/HTML formatted report.

Differentiating characteristics for the **LASAIR III** firmware are intuitive operation of the user interface and unique visual branding.

The **LASAIR III** device interface features include a VGA color LCD display, touch screen input, sample probe, and a built-in thermal printer. **LASAIR III** firmware allows operating the device as a stand-alone unit or remotely via browser if the device is connected to an Ethernet network.



Technologies

- C++ language
- Zinc – GUI development library
- Boost C++ library
- VxWorks real-time operating system
- Bug Tracking System “Test Track Pro”
- MS Office Project
- MS Visual Studio 2005
- Tortoise SVN

Scope

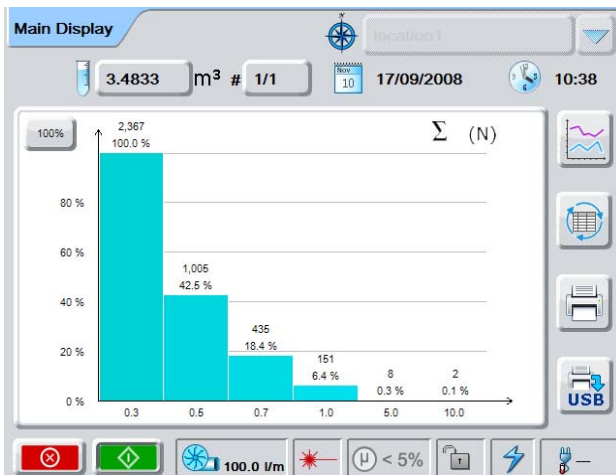
- Requirements definition
- Architecture and design
- Development
- Unit testing
- Functional testing
- Automation testing framework
- Touch screen driver development

Features

- Portable unit
- Customized user interface
- 9 languages
- Web user interface
- PharmNet protocol support
- MHT/HTML reports
- USB device storage support
- 2 versions: Desktop and Target
- 3 person project for 18 month duration
- Long-term support

Project Management

- Weekly updated project plan and budget
- Weekly status call
- Weekly status report
- Web access to Bug Tracking System



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