

APPLICATION BRIEF

LABNOTEBOOK – THIS INTERACTIVE NOTEBOOK IS THE ULTIMATE IN DOCUMENTATION (No. LAB WM_823)

LeCroy's LabNotebook feature extends the documentation capabilities of your scope to a higher level. It allows you to create an annotated notebook entry containing all displayed waveforms, the setup of the oscilloscope, and user-supplied annotation. The notebook entry can then be converted to hardcopy format (pdf, rtf, or html) and printed or e-mailed. You can also use the default report layout or configure your own, and even substitute your own company logo in the header. Figure 1 shows a typical report being viewed on the oscilloscope screen. The LabNotebook dialog box beneath the report view shows the basic controls involved in notebook management.

Notebook entries are stored in an internal database and are available for recall at any time. Besides storing the waveform data, LabNotebook also stores your panel setups and parameter measurements. You have the capability to back up the database to external media.

In addition to storing waveforms, settings, and screen images LabNotebook includes a text editor to annotate the notebook entries and a graphics editor to mark up screen images. These features allow users to completely document their measurement results. The graphics editor is shown in Figure 2. The editor allows users to enter graphical elements directly from the scope's touch screen using a 'scribble' mode just like a PDA.

The Flashback feature allows you to recall the state of the oscilloscope at a later date, including the saved waveforms and the oscilloscope setup, so that you can make additional measurements. This feature allows you to create interactive test procedures which can recall the test setup and show reference waveforms.

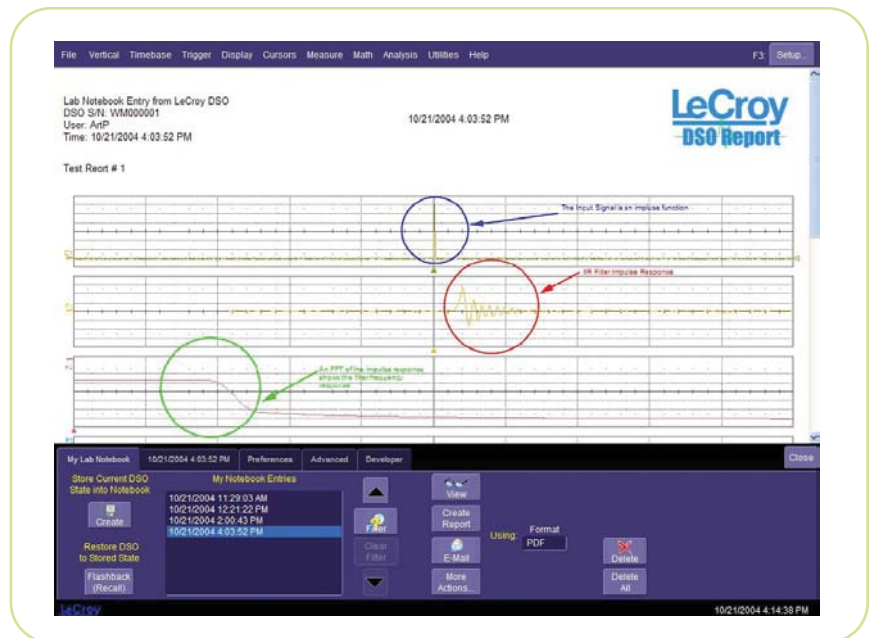


Figure 1. A LabNotebook report view and dialog box showing the notebook entries.

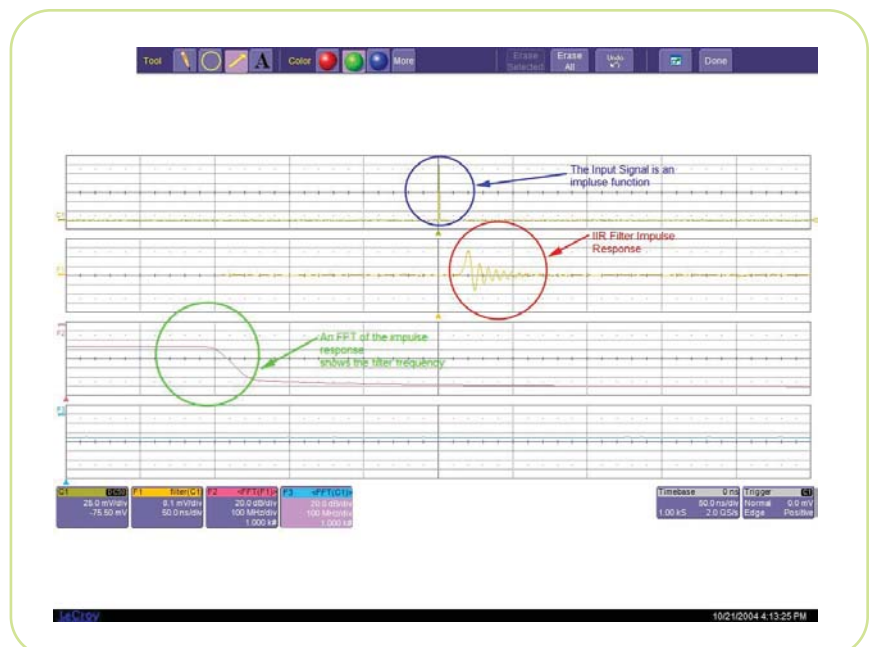


Figure 2. The graphics editor in the LabNotebook allows screen images to be annotated.

LabNotebook supports multiple users. You can create a notebook to use for your entries, and label the notebook by project or user. If the scope is shared among several users, for example, or used for different projects, the data can be kept separately. Similarly, hardcopy reports can be stored in different folders. A keyword filter makes it easy to find the correct notebook entry to recall. The filter dialog box is shown in Figure 3.



Figure 3. The LabNotebook record filter.

As mentioned previously the report generator allows the user to incorporate custom logos. This is shown in Figure 4, which shows the advanced tab. In addition to this there is provision to manage the database by creating backups and compressing it if needed.

LabNotebook is a unique interactive measurements database and report generator that can be of inestimable value in the day-to-day use of your LeCroy oscilloscope.



Figure 4. The advanced tab allows users to incorporate their own logos into reports.

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