Explaining the LSA1000

There are two manuals that explain the LSA1000. This, the *Operator's Manual,* takes you through the initial steps and gets you started using the instrument. It explains basics such as how to connect to a PC and use the software tools supplied. Once familiar with the LSA1000's basic operation, use the accompanying *Remote Control Manual.* It contains detailed descriptions of all the remote commands used to operate the LSA1000 from the computer.

About This Manual...

- *Chapter 1* describes warranty, maintenance agreements, service and return procedure.

- *Chapter 2* covers the instrument's architecture, as well as the fundamental technical concepts behind the LSA1000, to show how these concepts have been integrated to deliver superior performance.

- *Chapter 3* gives operating environment and safety information.

- *Chapter 4* covers the connection requirements for LSA1000 and host PC, using the Ethernet.

- *Chapter 5* offers a step-by-step process to get you started using the LSA1000 and its software tools.

- *Appendix A* gives the product's detailed technical performance specifications of the product, and recommends optimum operating conditions.

- *Appendix B* is the source code for the Net-Con program.

- *Appendix C* offers a general explanation of how the instrument's standard parameters are computed.

- *Appendix D* provides several real-life program examples you can use with LSA1000.

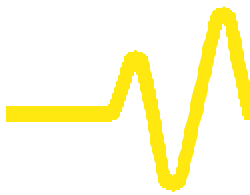- *Appendix E* provides suggestions forms that welcome your input for improving both the product and the manuals.

LSA1000: Legacy of the Oscilloscope

In this publication and its companion, the LSA1000 *Remote Control Manual,* references are to be found to functions not directly applicable to the LSA1000. Some examples are references to "time/div", "cursors", and "display".

Their presence in dedicated LSA1000 manuals is owing to the legacy of LeCroy DSOs (Digital Storage Oscilloscopes) in the development of the LSA1000. Although the current practicability of these functions may not immediately be apparent, the basic concepts to which they adhere remain valid for the LSA1000, and the functions are supported by remote control commands.

Moreover, in order to maintain compatibility, the LSA1000's remote commands have been made a subset of the commands for the LeCroy digital oscilloscopes.

Terminology borrowed from the oscilloscope should thus be understood to refer to the LSA1000 *conceptually*, as if it possessed an oscilloscope display. It should be noted, for example, that all commands that refer to "divisions" on a DSO are applicable to the LSA1000: there are eight divisions full scale in the vertical (voltage) direction, and 10 divisions in the horizontal (time) axis.