

# Pete Keller's Second Book Is the Definitive Volume On Measuring Electronic Displays

## MBD Engineer's Latest Book Reflects Years of Experience

In 35 years of working with information-display technology, **Pete Keller** has measured a lot of displays – CRTs, LCDs, LEDs – virtually the whole alphabet of image-producing devices. His first book, “The Cathode-Ray Tube: Technology, History, and Applications” is recognized as the definitive volume on CRT history.

And Pete has been busy at the word processor again. A year and a half in the making, Pete's latest book, “Electronic Display Measurements,” fills a long-standing information gap about testing, measuring, and analyzing displays of all types.

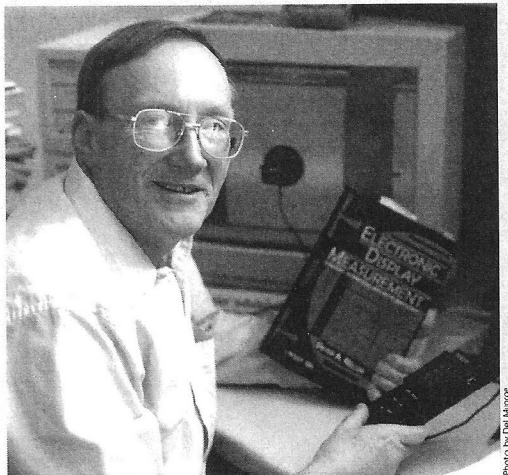
## Explaining the Unfamiliar

As a long-time member of the Society for Information Display, Pete Keller — a hardware design engineer in MBD's Design, Service and Test Business Unit — has proven credentials in his field.

“People both inside and outside of Tektronix have been coming to me for years with questions about making display measurements,” says Pete. “Existing books were too academic for practical, everyday use. Yet electronic design engineers are being asked more frequently to measure and evaluate display devices. These engineers may have little or no training in, or understanding of, light measurement techniques.”

Design engineers are accustomed to measuring volts, amps, and frequencies. But the world of lumens and foot-lamberts is unfamiliar to many of them.

Display measurements require different tools (photometers instead of scopes, colorimeters rather than spectrum analyzers) and very different methodologies. As part of Pete's duties supporting the



*Pete Keller with his latest book.*

Tektronix Photometer products, he was often asked to produce something that “went beyond the manual,” a reference that would start at the beginning and take the reader through the whole process of light measurement.

## Showcasing Tek Products

“Electronic Display Measurements” does just that. Chapter 1 looks at the light spectrum and the human eye. From there the book delves into display technologies, measurement instruments, photometric methods, and more.

Pete thoughtfully provides more than a dozen appendices and tables to help readers find more detailed information. And of course there's a comprehensive bibliography to direct readers toward even more information on the topic.

Although the book treats display measurement tools in a general way, several Tektronix instruments make great

# Keller continued from page 3

appearances. The J17 and J18 Photometers are shown at work, as is the TDS 380 Digital Real-Time scope. The J17 and J18 in particular are mainstays of light measurement technology.

## **Brisk Demand for Book**

Demand for the new book has been brisk. Calibration labs, university libraries, standards organizations (including NIST), and electronics manufacturers have already consumed much of the first printing. A second print run is likely.

What are Pete's goals for the book?

"I want to help engineers avoid the common problems encountered in display measurements and to answer many of the questions that I hear frequently," says Pete.

And what are Pete's thoughts about being a twice-published author whose books are shelved in libraries around the world?

"My high school English teacher would be flabbergasted!" he says.

— Alan Whiteside