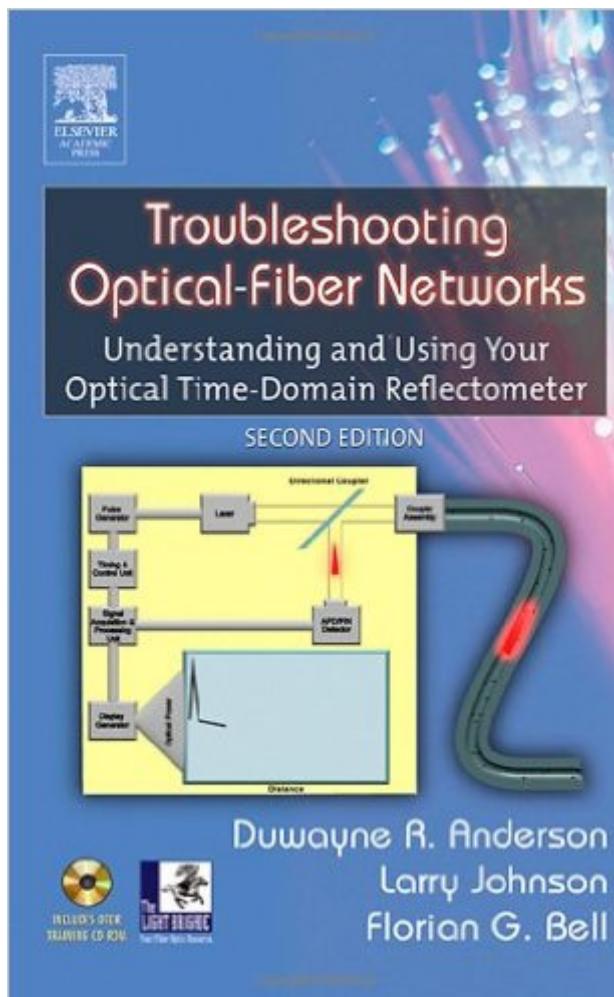


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# Troubleshooting Optical Fiber Networks: Understanding And Using Optical Time-Domain Reflectometers



## Synopsis

This book offers comprehensive, state-of-the-art information about time-domain fiber-optic testing. Readers will gain an understanding of how to troubleshoot optical-fiber networks using an optical time-domain reflectometer (OTDR), while learning the fundamental principles underlying the operation of these powerful testing instruments. From basic fiber optics and fiber testing, to detailed event-analysis techniques, this book covers the entire spectrum of time-domain optical cable test theory and applications. \* Only book available focusing solely on OTDR theory and practice\* Covers the entire spectrum of time-domain optical cable test theory and applications\* Designed to be accessible to both engineers and system technicians\* Includes OTDR training CD

## Book Information

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## Customer Reviews

My company, Taliescent, makes measurement standards for fiber optic test instruments. We have recently decided to add products for the FTTH market and the first logical product would be a way to verify Optical Time Domain Reflectometer (OTDR) Measurements. Since I have not dealt with OTDRs since graduate school, and I was attending the Optical Fiber Conference in Anaheim, CA I decided to go talk about our product ideas with one of the experts, Larry Johnson who is the president of The Light Brigade. His company provides live fiber optic training and makes training videos aimed at the technician and the installer market. During our conversation he mentioned that he co-authored a book on OTDRs. Figuring this would be a useful resource, I went to the Elsevier

Publishers booth where they happened to have the book. I then told the booth lady that I publish an online fiber optic newsletter (ftthblog.com) and would like to review the book. So she gave me the book for free. So, I guess now I have to review this book the title of which is "Troubleshooting Optical Fiber Networks, Understanding Your Optical Time Domain Reflectometer". First, a little background on OTDRs. This was one of the first fiber optic test instruments introduced commercially 24 years ago and is still evolving and one of the most commonly used. Basically an OTDR shoots a pulse of light into the fiber and monitors the reflections. From this measurement, the user can tell what's happening in a fiber network many kilometers downstream from where the measurement is made. For example, you can tell that there is a break in the fiber 5.4 km from where you are. This is very useful information if you are troubleshooting or commissioning a fiber optic installation.

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