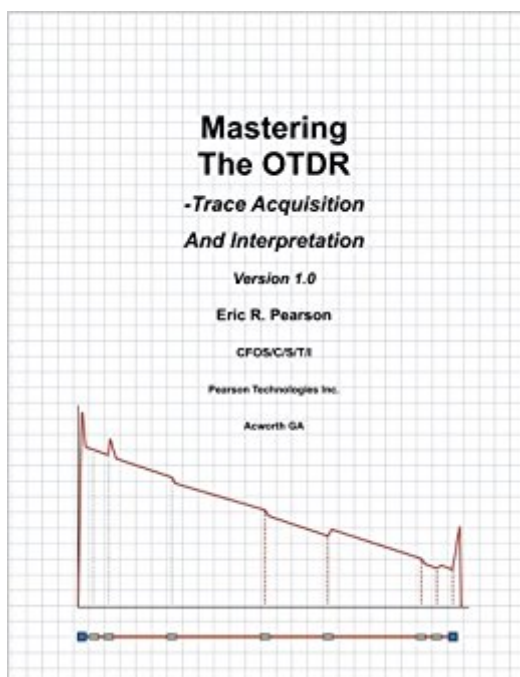


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# Mastering The OTDR: Trace Acquisition And Interpretation



## Synopsis

**AUTHOR'S PREFACE** For 34 years, I've been working in fiber optic communications. I've made or viewed more than twenty one thousand OTDR traces. During these experiences, I, and several of my professional associates, have noted that OTDR testing and interpretation are the two aspects of installation that cause the most difficulty to the largest number of novice installers. This book is designed to reduce such difficulty significantly! With diligence, this book helps you eliminate this difficulty completely! My strategy is "divide and conquer". This book divides the essential knowledge and understanding into five, clearly written, concise, yet comprehensive chapters. Since words alone will not be sufficient, each chapter includes figures, 120 in all, to ensure that all concepts are clear. To further assist you, each of these five chapters includes a summary of key concepts, a total of 66. These five chapters guide you through development of the understanding you need to make and interpret OTDR traces properly. The sixth chapter presents a brief summary of steps you take during field-testing. This summary includes the easily overlooked practical aspects of OTDR testing. The 151 review questions and exercises of the seventh chapter further assist you in testing, developing, verifying and strengthening your understanding. The appendices contain answers or locations of answers. But this text includes more than what I know you need to understand. The 8421 people I've trained in more than 500 presentations have asked many excellent questions. These questions have enabled me to refine my explanations so that almost anyone can understand the concepts. Finally, these questions have defined the content and structure of this book. The goal of this book is to develop your knowledge, abilities, and confidence to make and interpret traces properly. With this confidence, you will, rightly so, consider yourself a Master Of The OTDR!

## Book Information

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## Customer Reviews

For the last 34 years Mr. Eric R. Pearson has worked in fiber optic communications. This involvement includes a wide variety of activities, including manufacturing management, business management, field installation, training, and technical consulting. Mr. Pearson has delivered 507 training presentations and trained more than 8400 personnel in proper installation and design methods. This experience includes making and supervising more than 21,000 OTDR traces. Mr. Pearson has performed more than forty thousand OTDR, ORL, insertion loss, and dispersion tests on both multimode and singlemode cables. Mr. Pearson written four comprehensive texts on fiber installation, *The Complete Guide to Fiber Optic Cable Installation* (Delmar Publishers, 1997), *Successful Fiber Optic Installation- The Essentials* (2005), *Professional Fiber Optic Installation, The Essentials For Success* (2011, ISBN 9780976975434) and *Mastering The OTDR* [2011]. Since 1999, Mr. Pearson has been a Master Instructor for the Building Industry Consultants Services International (BICSI), and the developer of the BICSI fiber optic network design program, FO110. From 1995-1997, Mr. Pearson was a Director and the Director of Certification, of the Fiber Optic Association (FOA). Mr. Pearson has been a technical expert for a patent infringement suits, law suits between operators and end users, law suits regarding technical fraud in fiber optic cables, and performance specifications. The Academy of Professional Consultants & Advisors (APCA) certified him as a Certified Professional Consultant (CPC). He is listed in: *Who's Who Worldwide*, *Who's Who of Business Leaders*, *Who's Who in Technology* and *Who's Who in California*.

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