



# Practical Holography, Third Edition

*By Graham Saxby*

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## Practical Holography, Third Edition By Graham Saxby

Revised to reflect technological advances and new applications, Practical Holography, Third Edition is a classic, comprehensive text suitable for anyone involved in holography, from the interested amateur to the practicing research scientist. At its most basic level, the book introduces the principles behind holography and takes the reader on a step-by-step course through the materials, equipment, and techniques required to produce their own holograms. The author takes a purely practical viewpoint, keeping the mathematical content to a minimum. Later chapters of the book form a valuable reference for research scientists working with holographic techniques in all applications.

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## **Editorial Review**

### **Review**

"I find that this edition is uniquely the most useful book of its kind in existence. There is no other book that can remotely compete with it." -- T Jeong, Integraf "Most books on holography fit into one of two main forms; those for the amateur hobbyist holographer, full of nice clear pictures and no long words, or those for the full blown professional holographer, all equations and esoteric technical words. Thankfully Practical Holography does not fit in to either of these categories but covers both without being either patronising or overwhelming to the interested beginner or too lacking in detail and undemanding for the professional. I have used previous editions at levels ranging from short one day introductory courses through to MA and PhD. It is as up to date as any technical book can be and covers all aspects of holography in great detail from its inception to the present and offers some intriguing glimpses into the possible future of the medium . . . The text is concise and the diagrams clear and wide ranging, layout and approach, in the parlance of computer terminology, is user friendly and it is easy to find a personalised route through to suit all from the interested amateur to the professional holographer. . . For the serious holographer and any college library it is essential." -- Rod Murray, Consultant Holographer: former head of holography Royal College of Art, London. "So the third edition of Practical Holography by Graham Saxby comes as a welcome read ...In brief this book is an extremely comprehensive manual on all current aspects of holography, from basic theory to in-depth practical information including commercial and industrial processes... The diagrams throughout follow a clear generic style, making them easy to understand, and there are many photographs, including some very interesting colour plates of images made by various holographic artists ... The layout of the practical section is organised so that individuals can progressively work from one chapter to the next at their own pace, increasing their knowledge and understanding, and the complexity of the holographic systems they create... This book would suit anyone interested in the making of holograms be it from an artistic, commercial, industrial or research perspective. Taking into consideration the possible savings on equipment and raw materials, and potential time wasted, this comprehensive and extremely informative book will no doubt pay for itself in a very short time indeed, and I can strongly recommend it." -- Iqaki Beguiristain on the Holographer website. "I found the book to be extremely informative and I am certain it will be both popular and useful for its target audience. Considering the importance of holography in many different fields, it is almost a scandal that there are so few books on the subject and it is very reassuring to see that you and the author have gone to the effort to do a new edition, which i hope will be successful." -- John Brown "Graham Saxby's immense skill as a teacher is quite evident in this third edition . . . The wealth of information presented is staggering. From designing table layouts, making recording materials, designing and making your own optics and building an optical table, Graham covers everything an aspiring holographer would want to know. With his experience with both professional and amateur holographers he is able to provide many different approaches to a problem allowing the reader to decide which solution fits his needs, skills and budget. This much awaited update was well worth the wait. It will be the bible for at least another 10 years and anyone who actually is making or wants to make holograms will find it indispensable. - - Colin Kaminski is an amateur holographer and holography enthusiast living in Napa, California. He runs the Holography Forum located at [www.holographyforum.org](http://www.holographyforum.org) "The release of Graham Saxby's third edition of practical holography shows how well the author understands what people need from a complete book on holography. He takes the reader through what a hologram is, the history of holography, what sort of light sources can be used to make a hologram, what kinds have been made to date and so on through to making and displaying your own images. The book is written in a clear concise manner and is augmented by additional tips, definitions and observations in the margins as well as extensive source references at the end of each chapter. If you're new to the field or hobby of holography you should make this one of the first books you buy. Even if you're an old hand this book will probably show you a few new tricks. ...I have no trouble at

all recommending the third edition of Practical Holography to everyone interested in holography. There's something for every holographer in this book." -- Michael Harrison, The Holographer 5 2004 Full Review

## **Users Review**

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