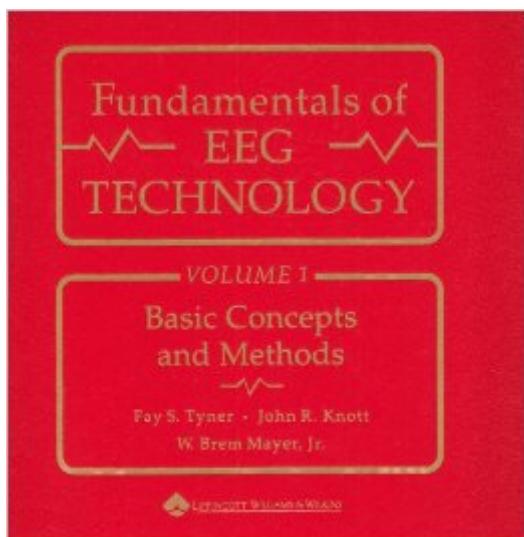


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# Fundamentals Of EEG Technology: Vol. 1: Basic Concepts And Methods



## Synopsis

This two-volume text is geared to students and EEG technologists at all levels of training. Volume 1--Basic Concepts and Methods--covers fundamentals of instrumentation; use of numbers in EEG; principles of electricity and electronics; electrode placement; polarity and localization; design and use of montages; and classification of EEG activity. More than 300 illustrations accompany the text, including full-sized reproductions of EEG samples. A thorough discussion of the concepts of normal and abnormal in adult, pediatric, and neonatal EEGs prepares the reader for the clinical material in Volume 2 of this text. Volume 2--Clinical Correlates--focuses on the application of EEG to problems in clinical neurology and details specific EEG procedures that have proven most useful for particular diagnostic problems. Chapters cover seizure disorders; brain tumors; cerebrovascular disorders; metabolic and toxic encephalopathies; infections of the central nervous system; degenerative diseases; head trauma; headache; and brain death and electrocerebral inactivity. The authors' clinical-technical commentaries include guidelines published by the American Electroencephalographic Society and the International Federation of Societies for Electroencephalography and Clinical Neurophysiology, as well as diagnostic criteria proposed by the International League Against Epilepsy. More than 200 illustrations--including computed tomography scans and full-sized reproductions of EEG tracings--accompany the text.

## Book Information

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## Customer Reviews

This is most complete text that I am aware of for anyone wanting to learn EEG Technology. The

writing is clear with many illustration. It needs an update into the digital technology that is in current use, but the basics are all here. I hope it is available again soon.

Volumes 1 and 2 are the gold standard texts for EEG students. They were written to take the beginning student with a high school diploma past the formidable R.EEGT. exam. Used book prices for both volumes are irrelevant. If you can acquire a copy of one or both volumes in any condition then you will possess a small fortune.

This is the book I learned out of myself. It teaches the basics of EEG, electronics, safety etc. The illustrations are top notch. As a previous reviewer mentioned it does need to be updated for the digital age. However the book is worth its weight in gold. I've been practicing as a R. EEG T. for 11 years now and I still like to refer to this and vol 2 at times. If you can find one get it and keep it.

Came quickly in the mail, excellent condition! This was recommended by our Teacher in my EEG class. Very educational, I'm new to the field, it helped me out a lot!

really a great book at a super price.

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