



ELECTRONIC INSTRUMENT HANDBOOK

SECOND EDITION

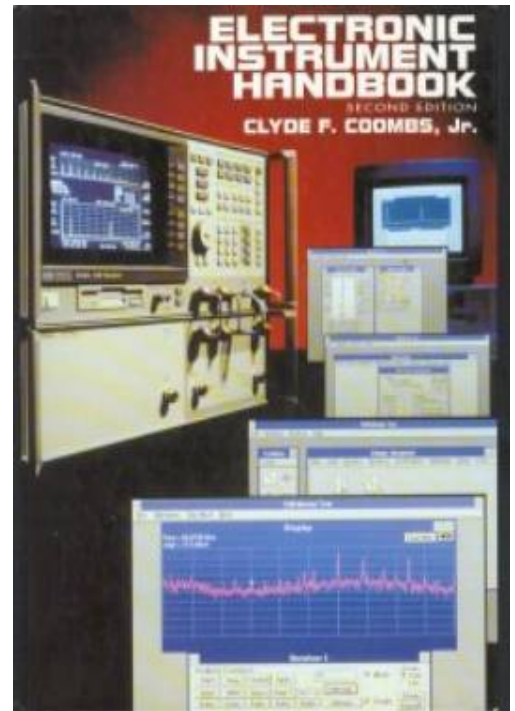
CLYDE F. COOMBS, JR

RESUME

Owners of the first edition of this classic handbook know that no other book covers the functions and inner workings of electronic instruments as completely as the Electronic Instrument Handbook. Used by both experienced practitioners and newcomers alike, it provides authoritative and easy access to all aspects of measurement tools and technologies. Thoroughly updated, this edition covers not only all the newer types of instruments but also the major changes in instrument technology.

With contributions from leaders in both industry and academia, the Electronic Instrument Handbook starts with the building blocks of instruments and progresses through stand-alone instruments, instrument systems, and virtual instruments. It includes in-depth information on analog-to-digital conversion ... microprocessors in instruments ... lightwave technology ... VXI and other busses ... controllers ... user interfaces ... software in instruments ... and transducers.

This handbook is the only book that explains what each instrument is used for, how it works, how to choose the correct one for an application, and how to get the most out of it in use.



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The LC Handbook. Guide to LC Columns and Method Development. ¹ Maximize instrument efficiency: Highest sample capacity and fastest injection cycles combine with new levels of usability for highest throughput for any application. The pump is the heart of an LC system. Before delivering the mobile phase to the system, the pump mixes the solvents either in constant proportion (isocratic) or in varying proportion (gradient).