

Speaker Building

Books & Software

Dayton Audio WT3 Woofer Tester

Measuring speaker parameters is now more accurate and faster than ever!

- Measure speaker parameters of any driver, large or small
- Compact USB interface with molded test leads
- Data can be printed or saved to create a driver parameter library
- Parameters can be exported to WinSpeakerz and other popular box design programs
- Measures VAS using added mass, test box or SPL method

No other loudspeaker impedance tester is as fast, versatile, or as easy to use as the WT3. While previous generation woofer testers took around 6 minutes to measure 30 impedance points, the new WT3 measures over 30,000 data points in only a few seconds using a new swept sine technique that is only available with the WT3. The result is a very high-resolution impedance measurement that allows the extraction of an extremely accurate driver parameter set, suitable for the most critical loudspeaker design work.

System Requirements

- IBM PC or compatible system with 64MB Memory RAM or more • 500 MHz Pentium III processor or higher • Compliant with both USB 2.0/1.1 interface
- MS Windows 98, Me, NT, 2000, XP, or Vista.

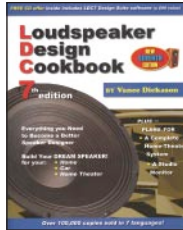
#390-804



\$149.99 LIST **\$99.88** EACH

Loudspeaker Design Cookbook 7th Edition

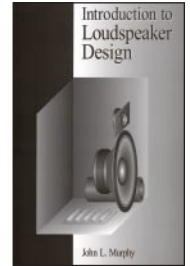
The 7th edition of the Loudspeaker Design Cookbook is a must-have for new speaker builders as well as owners of previous editions of the Cookbook. Plus, the book includes a FREE offer to receive a CD complete with hundreds of graphs and pictures, including 123 graphs that complete the diffraction study in Chapter 6. Also on the CD—a FREE copy of LDC7 Design Suite software—a set of eight loudspeaker design tools including, Box Designer, Driver Design Tools, Crossover Designer, and more (a \$99.00 retail value, CD redeemable by mail.) Written by Vance Dickason, 295 pages. Copyright: 2005.



#500-035 \$39.95 LIST **\$33.95** EACH

Introduction to Loudspeaker Design

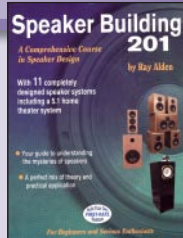
Introduction to Loudspeaker Design is written for hobbyists, students, technicians, and engineers seeking an overview of the technology of loudspeakers. Starting with a brief history of audio developments, the book begins by introducing the concepts of frequency, pitch, and loudness, and proceeds to develop the idea of a loudspeaker as a system. The author's WinSpeakerz (#500-946) application is widely used throughout the audio industry as a tool for evaluating loudspeakers before they are built. Written by John Murphy, 166 pages, illustrated. Copyright: 1998.



#500-948 \$29.99 LIST **\$24.95** EACH

Speaker Building 201

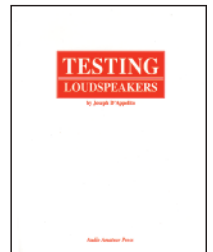
With this book, anyone can become a speaker builder. Features a variety of speaker projects, many of which have been tested by loudspeaker expert, Joseph D'Appolito. Written for beginners who want to build and intermediates who want to improve their speaker design and building skills. Contains all the information the speaker builder needs to design and build a first-rate system, one that surpasses higher-cost commercial products. Written by Ray Alden. 151 pages. Copyright: 2004.



#500-044 \$34.95 LIST **\$29.95** EACH

Testing Loudspeakers

This soon-to-be-classic clearly explains the proper way to acoustically test and measure a loudspeaker. Not intended for the novice, it covers in-depth driver testing, low frequency system electrical impedance tests, frequency response acoustical testing of single and multiple drivers, and techniques for deriving Thiele-Small parameters using both analog and PC based methods. If you own *The Loudspeaker Design Cookbook* (#500-035), then this book should be the next addition to your technical library. Written by Dr. Joseph D'Appolito, 174 pages. Copyright: 1998.



#500-030 \$34.95 LIST **\$31.45** EACH

Dayton Audio EMM-6 Electret Measurement Microphone

- Perfect for use with room acoustic analyzers and audio measurement systems
- True omni-directional polar pattern
- Works with phantom power from +15V to +48V
- Low noise FET input reduces low-frequency distortion
- Includes stand mount, foam windscreens, and transport case
- Includes its own unique calibration response graph

The Dayton Audio EMM-6 is a precision electret condenser microphone designed for measurement and critical recording applications. The extremely flat frequency response and true omni-directional polar pattern make it perfect for use with room acoustic analyzers and audio measurement systems. Each microphone includes stand mount, foam windscreens, transport case, and its own unique calibration response graph.

- Specifications:**
- Capsule type: 6 mm electret condenser
 - Polar pattern: omni-directional
 - Frequency response: 18 Hz - 20 kHz
 - Impedance: 200 ohms between pins 2 and 3
 - Sensitivity at 1 kHz into 1K ohm: 10mV/Pa (-40 dBV, re. 0 dB = 1V/Pa)
 - Max SPL for 1% THD @ 1 kHz: 127 dB
 - S/N ratio: 70 dB A-weighted
 - Connector: gold plated XLR
 - Phantom power: +15V to +48V
 - Weight: 144 grams.

#390-801



NEW

\$79.99 LIST **\$47.97** EACH