

Portable Tympanometry Solutions

Welch Allyn MicroTym<sup>®</sup> 2  
Portable Tympanometric Instrument  
Faster, easier, and more complete data



# Get Accurate Data in Seconds with Welch Allyn's New MicroTympanometer® 2



## Fast and Portable

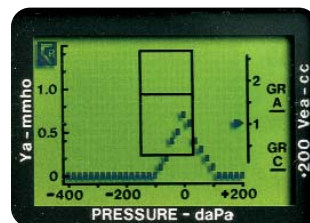
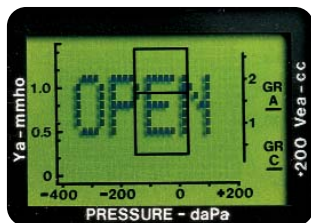
- ) Only one second for data—ideal for the uncooperative patient
- ) Just five seconds for printout—keeps office functioning smoothly

In one second you receive the data you need to help make an accurate diagnosis. And in five seconds the quiet printer will printout.

## Easy to use

- ) Readable at any angle with supertwist green LCD screen
- ) Word prompts guide operator during middle ear testing
- ) Data appears on screen as it happens
- ) Save time with automatic erase feature
- ) Comfortable—the lightweight, well-balanced, ergonomic handle is easy to hold

Welch Allyn MicroTympanometer 2 uses foreground and background contrast on its supertwist green LCD screen to make it easy to see at any angle. Word prompts direct the operator, facilitating testing. Asterisks alert the operator to gradient/width abnormalities. The MicroTympanometer 2 auto-erase feature means you don't have to waste time erasing memory. Erasure is accomplished automatically as you store the next test.



## Complete Data

- ) Flexible—three selectable forms of information: tympanogram, numerical data and interpretive messages
- ) Easy-to-use graphs on thermal paper appear side-by-side—left ear next to right ear
- ) Quick assessment—abnormal readings highlighted

Three forms of information can be selected in the following formats: tympanogram, tympanogram plus data, and tympanogram plus data interpretation. The tympanograms print middle ear function measurements side-by-side, left to right for quick comparisons. As with the handle's screen, the printout also uses asterisks to alert the operator to abnormalities.

## A Simple Procedure That Takes Only Seconds:



1. Press the TEST button, then insert the probe tip into the ear.



2. Watch the LCD screen as the MicroTympanometer 2 completes a tympanogram in as little as one second. The quickness is ideal for the uncooperative patient.



3. Return the MicroTympanometer 2 handle to the Printer/Charger and a printout quietly appears in five seconds.

## Looking for Otitis Media... Objectively and Accurately

Diagnosing chronic otitis media is often a difficult task. Sometimes the fluid is visible, often it isn't. But the delivery of sound and air pressure to the ear, precisely measured by advanced microelectronic components, brings otitis media into sharp focus. Welch Allyn's MicroTympanometer 2 produces an accurate, objective measurement of middle ear status.

Middle ear infection and other pathologies produce abnormal tympanograms that are clearly visible on both the MicroTympanometer 2 LCD screen and printout. This technologically advanced instrument is ideal for the office practice, the clinic and mass screenings.

In addition to otitis media, MicroTympanometer 2 also helps detect these other pathologies:

- )) Perforated tympanic membrane
- )) Patent tympanostomy
- )) Ossicular disruption
- )) Otosclerosis
- )) Tympanosclerosis
- )) Cholesteatoma

## Other Features

The MicroTympanometer 2 Handle and Printer/Charger are designed and manufactured by Welch Allyn. Consequently, you can be confident that accuracy and reliability are built in, and that timely delivery, service and parts are available anywhere in the world. These other features help to make it unique:

- )) Durable ABS construction withstands rigors of office practice and specialty clinics
- )) Reliability that's backed by a one-year warranty (extendable to three years)
- )) Extended use—full charge allows for nonstop, all-day screening (at least 300 double-ear tympanograms)
- )) Prints automatically or on demand
- )) Multiple copies can be produced for parent consultation or referral
- )) Economical—up to 300 double-ear printouts on a single roll of thermal paper
- )) Compact—to save valuable counter space



## Technical Specifications

### Probe Tone

**Frequency:** 226Hz  $\pm$ 3%

**Amplitude:** 85  $\pm$ 3dB re 20 $\mu$ Pa in an ANSI HA-1 (2.0cc) coupler

**Distortion:** 5% maximum total harmonic distortion in an ANSI HA-1 (2.0cc) coupler

### Pump

**Direction of sweep:** positive to negative pressure

**Speed:** 400  $\pm$ 40daPa/s average during data acquisition period

### Pressure Measurement System

**Range:** +200 to -400daPa

**Display resolution:** 20daPa

**Accuracy:**  $\pm$ 15% or  $\pm$ 10daPa, whichever is greater

**Compensation:** Auto-zero every test cycle

### Admittance Measurement System

**Range:** 0.2 to 4.0mmho total

0.0 to 1.5mmho for Ya

0.2 to 2.5cc for  $\pm$ 200Vea

**Display resolution:**

0.1mmho for Ya

0.2cc for  $\pm$ 200 Vea

**Accuracy:**  $\pm$ 0.1mmho or  $\pm$ 5%, whichever is greater

### Weight

**MicroTym 2 Handle:** 0.61lb/0.28kg

**MicroTym 2 Printer/Charger:** 3.98lb/1.81kg

## Ordering Information

93690 MicroTym 2 Set (includes Handle, Printer/Charger, extra paper and tips)

93695 Same as 93690, but Export—Specify country/voltage

23640 MicroTym 2 Handle only (includes tips)

23630 Tips for MicroTym 2, four color-coded sizes

53600 Paper for MicroTym 2 Printer/Charger (4 rolls)

71170 MicroTym 2 Printer/Charger (includes paper)

71175 Same as 71170, but Export—Specify country/voltage

23639 Multipack of MicroTym 2 Probe Tips

(5 small, 10 medium, 10 large and 5 extra-large)

72900 2.4v Nickel-Cadmium Rechargeable Battery

for MicroTym 2

05276 Carrying Case



## Customer-Oriented Product Development at Welch Allyn

The Welch Allyn MicroTym 2 Portable Tympanometry was developed after years of thorough research—including interviews with otolaryngologists, audiologists, pediatricians, family physicians and nurses. As a result, it incorporates the studied observations of users, the latest advancements in microelectronic technology and the newest manufacturing processes.

The same dedication to quality and use of technology—with input from our customers—goes into all Welch Allyn instruments.

To learn more about the Welch Allyn MicroTym 2, call your local Welch Allyn sales representative or Welch Allyn Customer Service at 1-800-535-6663 opt 3.

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MicroTym 2—U.S. Patent No. 4,688,582 Patents Pending

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