Technical Specifications

Tympanometry and Reflex Modes

Probe Tone

Frequency: 226Hz, ±3%
Level: 85.5dB SPL, ±2.0dB measured in a 2.0cm³ coupler
Harmonic Distortion: <5%

Admittance (Compliance)

Uncompensated (ECV + Tymp peak): 0.0 to 5.0cm³
Compensated Range: 0.0 to 1.5cm³
0.0 to 3.0cm³

Pressure

Volume Range: 0.2 to 6.0cm³
Range: +200 to -400daPa

Tymp Test Time

Approximately one second

Gradient

Tymp pressure width at 50% of peak admittance

Reflex

Frequencies: 500, 1000, 2000, and 4000Hz
Accuracy: ±3%
Total Harmonic Distortion: <5%
Rise/Fall Time: 5 to 10msec
Output Levels:
IPSI: 500 and 4000Hz:
80, 90, 100dB HL;
1000 and 2000Hz:
85, 95, 105dB HL
Pressure: Automatically set to pressure at peak compliance with an offset of -20daPa
Determination: Compliance change of 0.05cm³ or greater
Test Time: 1 to 12seconds

Audiometry Mode

Frequency

Discrete Frequencies: 125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000Hz
Intensity: Measured in 5dB steps
Ranges:
125Hz = -10 tp 50dB HL
500 to 6000Hz = -10 to 90db HL
250 and 8000Hz = -10 to 70db HL
Note: An additional +10dB is available per frequency via the +10dB pushbutton

Tone Presentation

Continuous: Steady when present bar depressed
Pulsed: 2.5pulse/sec
(200msec ON, 200msec OFF)
FM: Tone frequency-modulated ±5% of centre frequency at a rate of 5Hz

Standards

The TM 262 AutoTymp meets the following:
ANSI S3.39-1987 Aural Acoustic Impedance/Admittance Standard, (Type 3); ANSI S3.6-1989 Audiometric Standard, (Type 4); IEC 1027-1991 Aural Acoustic Impedance Admittance, (Type 3); IEC 645-1 Pure Tone Audiometers, (Type 4); IEC 601-1 Medical Electrical Equipment Requirements for Safety; CSA C22.2 No. 601-1 M90 Electromedical Equipment Warnock Hersey Listed UL STD. 544 Standard for Safety; ETL Listed

Power Consumption

15W maximum while printing

Mechanical

Dimensions: 33.66cm x 35.56cm x 9.53cm
Weight: 4.5kg net
6.4kg shipping

Ordering Information

26202	TM262 AutoTymp with IPSI reflex (EUR)
26204	TM262 AutoTymp with IPSI reflex (UK)
26232	TM262 AutoTymp with audiometer (EUR)
26234	TM262 AutoTymp with audiometer (UK)
05260	Carrying Case
23220	Response Handswitch
23221	Patch Cord
23222	Earphone Sound Enclosures
26100	Eartips (probe) 6 sizes, 2 each
26240	TM 262 AutoTymp Dust Cover
52600	TM 262 AutoTymp Printer Paper (1 pkg., 5 rolls)

To learn more about the Welch Allyn TM 262 AutoTymp, call your local Welch Allyn sales representative or Welch Allyn Customer Service at +353 46 906 7790.

Welch Allyn U.K.
Cublington Road
Aston Abbotts
Buckinghamshire HP22 4ND
England
Telephone: +44 (0) 207 365 6780
Fax: +44 (0) 207 365 9694

Welch Allyn South Africa (Pty) Ltd
394 Surrey Ave, Ferndale, Randburg 2194
South Africa
PO Box 809, Fontainebleau, South Africa, 2032
Telephone: +27 (0) 11 777 7555
Fax: +27 (0) 11 777 7556

Welch Allyn Europe
Navan Business Park
Dublin Road
Navan, County Meath
Ireland
Telephone: +353 46 906 7790
Fax: +353 46 906 7754

www.welchallyn.com

Welch Allyn®
Advancing Frontline Care™

Portable Tympanometry Solutions

Welch Allyn TM 262™ AutoTymp®

Tympanometry, acoustic reflex testing and optional audiometry in one easy-to-use instrument

- Easy tympanometric seal
- Fast test and printout
- Programme features to meet individual needs
- Memory capacity for eight tests

Welch Allyn®
Advancing Frontline Care™

The Three-In-One Instrument That Brings Audiologic Screening to a New Level – Easily and Affordably.

The Welch Allyn TM 262™ AutoTymp® offers tympanometry and ipsilateral acoustic reflex testing – with optional manual audiometry – in one convenient, compact design. The TM 262 AutoTymp gives users more options and more data, for more complete diagnoses and documentation.

Tympanometry with Total Confidence

Tympanometry provides the most accurate, objective means of determining middle ear status. Now, achieve the easiest ear seal ever with the TM 262's unique probe design. The probe enhances both tympanometry and acoustic reflex testing – yielding an important advantage when testing very young or uncooperative patients. And the probe's three LEDs give a step-by-step accounting of the test status – indicating proper ear seal, test mode and test completion – so users can put complete focus on the patient.

Tympanogram

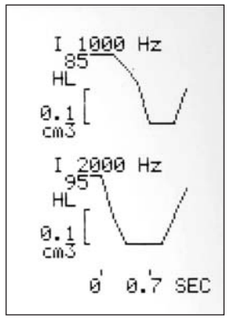
The TM 262 AutoTymp provides objective data to help detect and document a host of middle ear pathologies quickly and confidently:

- Otitis media
- Perforated tympanic membrane
- Patent tympanostomy tube
- Ossicular disruption
- Tympanosclerosis
- Cholesteatoma

Acoustic Reflex Testing – A Valued Plus

Capable of determining the presence or absence of the acoustic or stapedial reflex in the normal ear, acoustic reflex testing is used to further validate tympanometric results and to test the integrity of specific neuronal pathways, providing vital supplemental information on possible hearing loss.

To better meet individual users' specific needs, the TM 262 AutoTymp delivers the flexible option to test for an ipsilateral (same ear) reflex in any combination of four frequencies: 500, 1000, 2000 and 4000Hz.



Acoustic Reflex Results

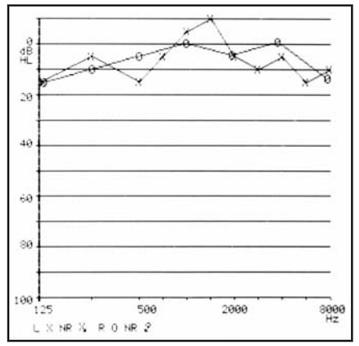
The TM 262 AutoTymp provides the flexibility to display and print acoustic reflex results in one of three modes:

- Reflex curves and dB HL values (shown above)
- dB HL values only
- Yes/No responses instead of values

Audiometry – The Extra Option

The TM 262 AutoTymp can be purchased with manual audiometry or upgraded later to include audiometry, so it grows with the user's needs.

Use audiometry to test for hearing loss in a full range of frequencies (125 to 8000Hz) and intensity levels (-10 to 100dB HL).



Audiogram

Includes these advantages:

- Perform complete threshold testing
- Selection modes that let users choose steady, pulsed or frequency-modulated tones
- Easy-to-use controls
- Large, easy-to-read LCD screen
- Convenient printout options that let users choose audiogram or table format
- Response handswitch (optional) – helps operator stay focused on patient

An important note about the frequency-modulated or FM (warble) tones: users find children and older people often respond better to FM tones than to steady or pulsed tones, yielding more reliable results for patients in these age groups.

Designed to Do More.

Here are a few more reasons to consider the new TM 262 AutoTymp the one choice for office practice, clinics, industrial testing and mass screenings.

- Three-in-one instrument with built-in display and printer saves space and the expense of buying separate units
- Improved ear seal via lightweight, handheld probe
- Advanced microelectronics deliver precision results with every use
- Test-parameter flexibility – lets user decide how to run tests
- Convenient memory capacity stores up to eight test results – instantly
- Printout flexibility – prints individual test results or complete battery, eliminates need for note taking
- Outstanding performance backed by a built-in calibration check – and Welch Allyn's reputation for dependable service