

## MI 44

# Diagnostic Middle Ear Analyzer

Easy-to-use desktop tympanometer with ipsi/contra reflex, decay, Eustachian tube function test and manual pump control.

### Features at a Glance

- Graphical reflex display
- Immediate pass/fail results
- Reflex decay testing
- Eustachian tube testing (intact and perforated)
- Adjustable comfort probe
- LCD screen display
- Quiet, fast internal printer
- Multiple test results stored for each patient
- Setting and protocols can be customized
- Selectable tympanometric pressure ranges
- Selectable tympanometric pump speeds

### Test Protocols

- Probe tone: 226, 678, 800, 1000 Hz (standard)
- Ipsi and contra reflex frequencies:  
(500Hz, 1 kHz, 2 kHz, 4 kHz)



## Technical Data

### IMPEDANCE MEASUREMENT

Type Class 2 acc. to ANSI S3.39

### TYMPANOMETRY

Test Frequency 226, 678, 800, 1000 Hz  $\pm$  2%  
 Test Level 85 dB SPL in 2 cm<sup>3</sup> at 226 Hz;  
 85 dB SPL at 678, 800, 1000 Hz  
 Pressure Range Automatic: +200 to -400 daPa  
 Manual +300 to -600 daPa  
 Volume Range 0.1 to 6.0 ml  
 Accuracy  $\pm$ 10 % or  $\pm$ 10 daPa  
 Test Time Less than 3 seconds  
 Compliance range 0 to 3.0 ml

### REFLEX MEASUREMENT

Test frequencies 500 Hz, 1 kHz, 2 kHz, 4 kHz  $\pm$  2%  
 Test method Ipsilateral, contralateral  
 Test level Ipsilateral 70 dB<sub>HL</sub> to 105 dB<sub>HL</sub>  
 (Optional) for 4 kHz to 105 dB<sub>HL</sub>  
 Test Level Contralateral 70 dB<sub>HL</sub> to 120 dB<sub>HL</sub> -TDH39 phone  
 (Optional) for 4 kHz to 105 dB<sub>HL</sub>  
 70 dB<sub>HL</sub> to 110 dB<sub>HL</sub> -Insert phone  
 Voltage 100 - 240 V / 50/60 Hz  
 Power consumption Approximately 25 VA  
 Warm up time 10 minutes at room temperature (20 °C)  
 Environment conditions +15 to +35 °C / +59 to +95 °F (operation)  
 +5 to +50 °C / +41 to +122 °F (storage)  
 Maximum humidity 90 % (storage and operation)  
 Printer Thermal printer, paper roll width 110 mm  
 Print Time Between 4 seconds (one tympanogram) and 12  
 seconds (tympanogram and reflex for both ears)  
 Dimension 15 ¼" W x 11 1/2" D x 4 ¼" H  
 (39 cm W x 29 cm D x 11 cm H)  
 Weight appr. 5.5 lbs (2.6 kg)

### STANDARD ACCESSORIES

- Handheld Probe
- EarTip Kit
- Thermal printer paper
- Calibration test cavity
- Shoulder strap
- Contra button or TDH 39 contra phone and cable
- Operations manual

### OPTIONAL ACCESSORIES

- Soft side carry case



#### Applicable CTP Code(s):

Tympanometry: 92567

Acoustic Reflex: 92568

**Sanibel**  
Supply

We highly recommend using Sanibel eartips, in order to guarantee optimal test results.

\*Disclaimer: Specifications are subject to change without notice.

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**ONE YEAR LIMITED WARRANTY:** This warranty is extended to the original purchaser of the instrument, by MAICO, through the Distributor from whom it was purchased. The warranty covers defects in material and workmanship for a period of one year from date of invoice of the instrument to the original purchaser. Accessories which are purchased from MAICO at the same time as the instrument are also under warranty for one year from the date of invoice. For additional information contact your MAICO Distributor.