

TYMP

Tympanograph



otopront®

TYMP

A valuable middle ear diagnosis by means of tympanometry and stapes reflex measurement is standard procedure of an up-to-date ENT office. Otopront's TYMP meets all technical requirements of an up-to-date middle ear analyzer: It works fast, reliable, and is remarkably easy to handle and care in the daily routine use.

A complete automatic measurement procedure can be selected from an easy-to-clean touchscreen which together with a brilliant LCD-display is part of a freely movable frontpanel and thus the device can be integrated in the best possible way into the doctor's ENT unit. The fully automatic test procedure is started by fitting the probe with the best sealing ear tip into the outer ear canal. Sufficient sealing of the ear tip is indicated by a 2-colour LCD in the probe.

Test procedure is commonly started with tympanometry to get a reliable and objective result on the middle ear pressure and can with the otopront TYMP easily be performed also in restless patients due to its fast operating mode in less than 2 seconds. Stapes reflexes can be recorded ipsi- as well as contra-lateral with different frequencies and loudness levels. In this procedure a pathologic middle ear pressure is automatically compensated by the TYMP and thus provides optimal test conditions. Test results can easily be recorded by the integrated fast printing low-noise thermoprinter and/or transferred via a standard interface (GDT) to the digital patient file.

Technical Data

System	Microprozessor controlled
Probetone	226 Hz, 85 dB SPL
Pressure range	+200 to -400 daPa Pressure delta: 300 daPa / sec
Pressure delta	2 sec. for compliance
Measure time	500, 1000, 2000 and 4000 Hz
Reflex tones	at 85, 95 and 105 dB SPL
Sequence of tones	Automatic or manual
Reflex recognition	Automatic
Reflex level	Via software adjustable
Reflexes	Ipsi and contralateral
Pressure calibration	Automatic
State indication:	1. LED 3-colors in probe 2. detailed display - symbols
Change side	Automatic or manual
Interface	USB 1.1
Air pump:	Very quiet piston pump
Dimensions	(W x D x H) 400 x 400 x 140 mm
Weight	10 kg
Power supply	110-220 V~, 50/60 Hz, 60 VA
CE Mark:	accord. to MDD 93/42/EEC
Accessories:	Tympprobe 30 ear-plugs in 5 different sizes Headset for contralateral test DT 252 Probe -holder

All designs and specifications subject to change without notice.



The swiveling display allows you to handle the TYMP from different angles of view



The printing device can be operated easily

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