



RHINO 4000

rhinomanometry



we are one of the
leading companies
in the field of ENT-diagnostics
- worldwide -

RHINO 4000

With the HOMOTH Rhinomanometry a measuring method was evolved, which allows the adaptation via nose-plugs and alternatively via face-mask. The method is used in the doctors practice as well as in clinics. All functions, data and diagrams are shown at a LCD display. Herewith the results can be verified before documentation to avoid miss-printings.

The time-saving adaptation via nose-plugs allows a direct use at the doctors working-place, so the measurement fits into the normal examination. All calculation of flow, pressure, percentage and resistance-coefficient are done in realtime, so by the end of the measurement the complete results are present. Persons with bearts, long hair and children with fear of masks, can be measured without any problems. For clinical use a face-half-mask is available. During the measurement the intensity of breathing can be controlled via two measuring bars. The measurement is carried out anterior under the physiological conditions of self-breathing and allows a quantitatively objective statement about the resistance-status of the nose.

Because of microprocessor controlling the use is very easy, so the measurement can be carried out by the medical personnel. The mean of max. five flow curves is calculated and shown in the diagram as flow-pressure-curves. Also the flow-values for a difference-pressure of 75 Pa, 150 Pa and 300 Pa are calculated and shown in the screen, together with the percentage of right- and left-side flow. For clinical use the coefficient of the resistance is calculated.

All data and measured curves can be stored on harddisc, if the device is connectet to a PC. For printouts, an extremely fast digital-printer, working very noiseless and economical is used.

Application:

- Proof of allergies after provocation
- Diagnostics at handicapped nose-breathing
- Function control after nose operation
- Control after dispensation of medicines

Technical data

system:	stand alone device
measuring-methode:	anterior self-breathing
standards:	EN 60601 - 1 / 1-1 / 1-2 / MPG
airflow:	0 - 900 ml /s in- and exspiration
difference-pressure:	0 - 50 daPa
function-control:	via 2 measuring-bars in the display
averaging:	via max 5 flow-curves
pressure-calibration:	automatical before start
representation:	as diagram and numeric
aut. calculation of:	1. pressure in daPa 2. flow in ml /sec 3. total-flow 4. percentage 5. resistance-coefficients 6. Point 2-5 at 75, 150 and 300 daPa
accessories:	12 nose-plugs (olives) 2 flow-probes 2 sets of hoses 1 foot-switch 1 probe-holder 1 instruction manual
special accessories:	face-halfmask

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