

Rhinomanometry · Rhinoresistometry

Preparation

- Turn the Rhino-Sys on (green LED lights up; system is ready for measurement when yellow LED lights up)
- Turn on the notebook + start the Rhino-Base software “Appmanager Rhino”
- Click „RHINO-BASE“ or „Base“ (top right of screen, Fig. 1)
- Prepare patient
 - Choose correct sized face mask
 - Place metal adapter over perforating holder (Accessories Box)
 - Perforate a strip of plaster sticky side down over the metal adapter (Fig. 2)
 - Attach nasal pressure hose over the adapter (Fig. 3)
 - Place the plaster over the left nostril (right side testing) to perform an air tight seal (analogical switching sides)
 - Attach the end of the pressure hose to the flow nozzle unit (Fig. 4)
 - Place the mask over the patients mouth and nose so as to create an air-tight seal
 - Inform the patient to only breathe through their nose (the amplitudes of the breathing cycles should completely be in the visible range)

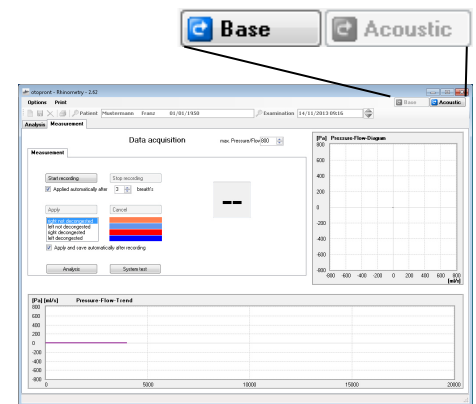


Fig. 1



Fig. 2



Fig. 3



Fig. 4

flow nozzle unit nasal pressure hose

Measurement

- Click „Start recording“
 - When 3 breathing cycles are completed (recommended default setting) the recording is automatically saved
- Repeat above steps to perform the test on the other side
 - Tip:** The plaster may need to be changed due to greasy skin, makeup, etc.
- Click „Analysis“ to view results
 - Choose: „Rhinoresistometry“ · „Rhinomanometry“ · „Time diagram“

Generally applies:

not decongested = bright curve
decongested = dark curve

right side = red
left side = blue

Acoustic Rhinometry

Preparation

- Click „RHINO-ACOUSTIC“ or „Acoustic“ (top right of screen, Fig. 5)
- Calibration may need to be performed.
To do this follow the on screen instructions (Fig. 6)
- Select the correct nasal adapter (size and color) to perform an air-tight seal on the patients nostril (Fig. 7)

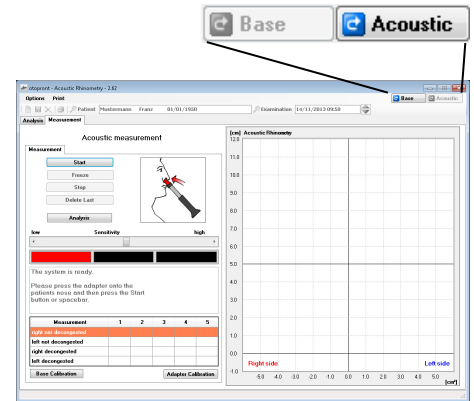


Fig. 5

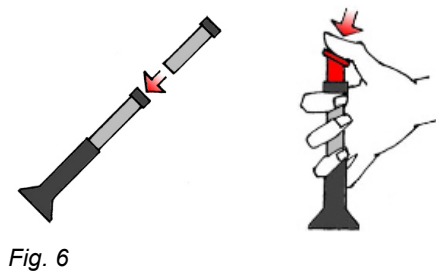


Fig. 6



Fig. 7



Fig. 8

Measurement

- Click „Start“ (you should be able to hear the clicking sounds)
- Have the patient slightly open their mouth and inform they not to breathe during the test
- Place the probe with correct adapter attached over the patients nostril so as to create a seal paying attention not to deform the nose (do not press too hard) (Fig. 8)
- The traffic light system indicates the success of the measurement (green = OK)
- Remove the probe from the patients nostril and place it back again (data is automatically saved)
- Repeat above steps until you have 3 almost identical curves from one nostril and delete the not identical curves
- Click „Analysis“ to view results

Spare parts and consumables					
Designation	Pcs	Art. No.	Designation	Pcs	Art. No.
Filter for face mask	5	16242	Nasal tubing set for Rhino-Move	5	17549
	50	16243		25	17550
Nasal pressure hose, silicone	25	16245	ECG Electrodes, Blue Senor L, Latex-free, bag à 25 pcs	1	17539
	25	16245		5	17566
Nasal pressure hose adapter, metal	25	16240	ECG cable	1	17553
	100	16241		4	17535
Tape, LEUKOSILK, latex-free	1	16249	Batteries LR 6 AA Mignon	40	17555
	5	16269		5	17564
Face mask size 5, large	1	17530	Nose adapter for Rhino-Acoustic, a pair of left/right, medium	25	17565
Face mask size 3/4, medium	1	17531	Nose adapter for Rhino-Acoustic, a pair of left/right, large	5	17576
Face mask size Baby, small	1	17534		25	17577