

Simple tests for respiratory muscle strength

The MicroRPM (Respiratory Pressure Meter) brings together the measurements of Maximum Inspiratory and Expiratory Mouth Pressures (MIP/MEP) with Sniff Nasal Inspiratory Pressure (SNIP) in one instrument.

These simple non-invasive tests of respiratory muscle strength are essential in monitoring patients with COPD who are undergoing a program of lung rehabilitation and are also valuable in the detection of other diseases affecting the function of the respiratory muscles.

Simple and easy to use, the pocket sized, battery operated MicroRPM features a clear digital display of the results in cmH₂O and comes complete with all accessories in a sturdy carrying case.

The free downloadable PUMA is an optional 32 bit PC software for displaying the pressure wave forms developed during testing with the MicroRPM. Additionally the measurements of the Maximal Rate of Pressure Development (MRPD) and Maximal Rate of Relaxation (MRR) can be made. An animated incentive ensures maximal cooperation from children and test quality assurance measures encourage correct test technique. With PUMA, the printout format is also selectable and previous pressure curves can be overlaid. Different sets of predicted normal values are also included.



Features

- Combined, mouth and nasal pressure measurements
- Clear digital display of the results
- Small, portable and lightweight
- Latest piezo resistive pressure sensing technology
- Optional Puma, PC software package
- Battery operated and complete with all accessories in a sturdy carrying case
- Easy to use and competitively priced

Specifications

• Measurements	Maximum Expiratory Pressure (MEP) Maximum Inspiratory Pressure (MIP) Sniff Nasal Inspiratory Pressure (SNIP)
• Operating Pressure	+/-300 cmH ₂ O (+/-5PSID)
• Burst Pressure	+/-700 cmH ₂ O (+/-20PSID)
• Resolution	1 cmH ₂ O
• Accuracy	+/- 3%
• Power Supply	Single 9 volt battery
• Dimensions	6.5" x 2.5" x 1"
• Weight	6.20 oz (unit)/26.5 oz (complete)
• Operating Temperature	32 - 104 degrees Fahrenheit
• Operating Humidity	30% - 90% RH
• Storage Temperature	-4 - 158 degrees Fahrenheit
• Storage Humidity	10% - 90% RH



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