



MicroRPM™

Simple tests for Respiratory Muscle Strength

Respiratory Pressure Meter

The MicroRPM™ (Respiratory Pressure Meter) (Cat. No. RPM01) 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.



'At CareFusion we are proud of our innovations and dedication'

Features

MicroRPM™

- 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



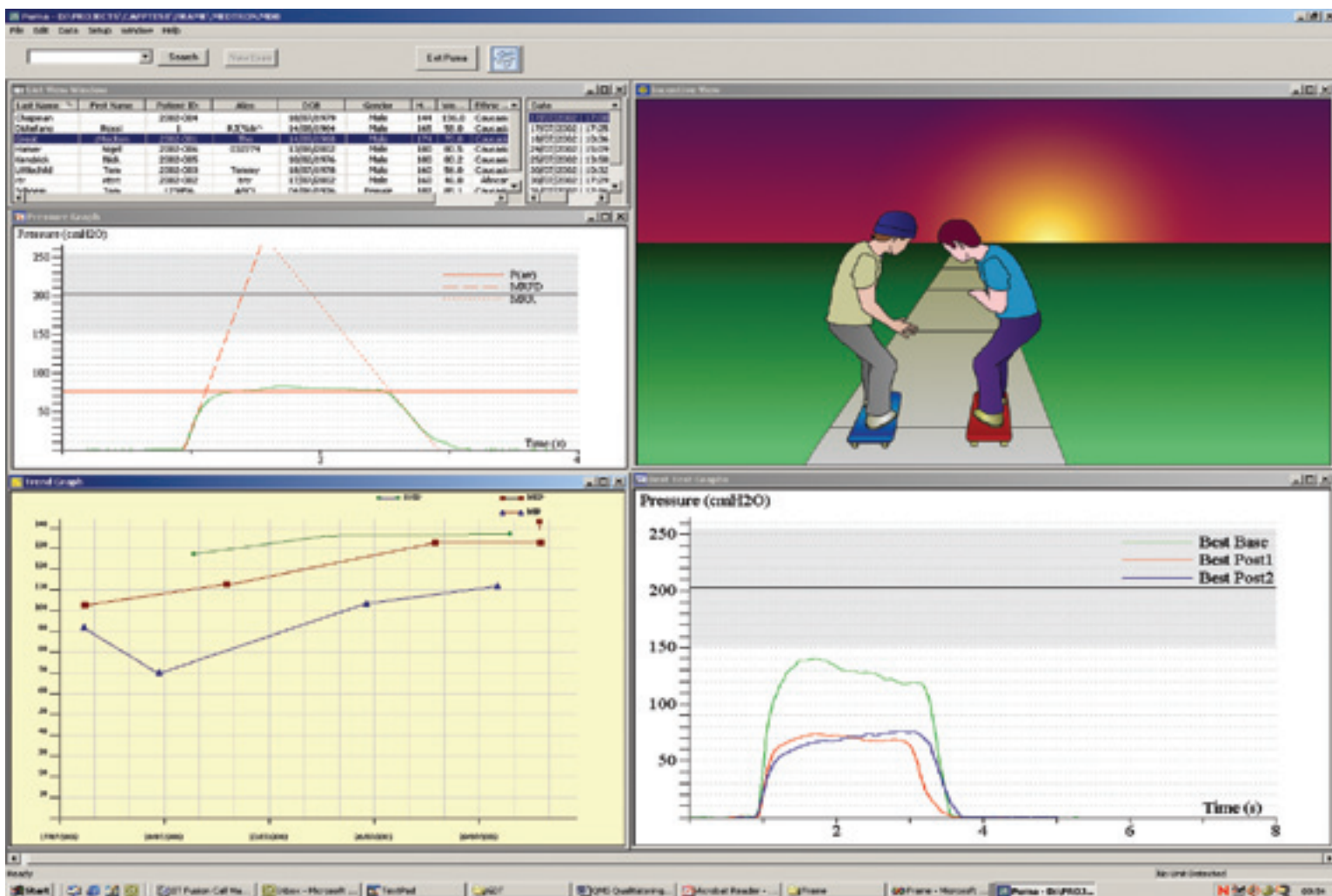
Free Downloadable Respiratory Pressure Database and Analysis Software

PUMA™ is an optional 32 bit software package (which is compatible with all the latest Windows® operating systems) 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.

PUMA™ has a user friendly, modern, multi-window visual interface which can display and store waveforms and results from both mouth and nasal pressure measurements.

Patient databases are easily created, a powerful search facility and the long term trending of results are also possible.

An animated incentive device 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. Results can also be exported and stored electronically in patients records.



Features

PUMA™

- Multi-window layout for ease of use
- Real-time pressure curves for mouth and nasal pressures
- The overlaying of previous curves is possible
- Choice of predicted values
- Animated child incentive device
- Pre and post medication or exercise facility
- Calculates MRPD, MRR and Tau

PC System requirements

- PC with Microsoft® Windows® 2000 or later
- 32 MB of RAM
- 50 MB of free hard drive space
- Free Serial Port or USB Port
- Microsoft® Internet Explorer version 4.01 or above
- Video: SVGA 800x600, 256 colour

MicroRPM™

Measurements	Maximum Expiratory Pressure (MEP) Maximum Inspiratory Pressure (MIP) Sniff Nasal Inspiratory Pressure (SNIP)
With PUMA™	Maximum Rate of Pressure Development (MRPD) Maximum Rate of Relaxation (MRR) Tau
Operating pressure	±300 cmH2O (±5PSID)
Burst Pressure	±700 cmH2O (±20PSID)
Resolution	1 cmH2O

Accuracy	±3%
Power Supply	Single 9V PP3
Dimensions	170x60x26mm
Weight	175g (unit); 750g (complete)
Operating temperature	0°C - 40°C
Operating humidity	30% - 90% RH
Storage temperature	-20°C - +70°C
Storage humidity	10% - 90% RH

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