

**Specifications**

<b>Measurements</b>	Maximum Expiratory Pressure (MEP) Maximum Inspiratory Pressure (MIP) Sniff Nasal Inspiratory Pressure (SNIP)
<b>With Puma</b>	Maximum Rate of Pressure Development (MRPD) Maximum Rate of Relaxation (MRR)
<b>Operating pressure</b>	±300 cmH <sub>2</sub> O (±5PSID)
<b>Burst Pressure</b>	±700 cmH <sub>2</sub> O (±20PSID)
<b>Resolution</b>	1 cmH <sub>2</sub> O
<b>Accuracy</b>	±3%
<b>Power Supply</b>	Single 9V PP3
<b>Dimensions</b>	170x60x26mm
<b>Weight</b>	175g (unit); 750g (complete)
<b>Operating temperature</b>	0oC - 40oC
<b>Operating humidity</b>	30% - 90% RH
<b>Storage temperature</b>	-20oC - +70oC
<b>Storage humidity</b>	10% - 90% RH

Micro Medical Ltd pursues a policy of continuing improvement in design, production and performance of its products. The right is therefore reserved to vary at any time and without notice.

**Additional Respiratory Muscle Solutions from Micro Medical Ltd:**

**MicroRMA**  
(Respiratory Muscle Analyser)



Endurance and Strength  
Analysis of the Respiratory Muscles

For more information please visit the Micro Medical website.

**Bibliography**

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**Medical**

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Simple tests for  
respiratory  
muscle  
strength



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Focus on the Future



## Respiratory Pressure Meter

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 cmH<sub>2</sub>O and comes complete with all accessories in a sturdy carrying case.

Also offered, as an optional extra with MicroRPM is Puma a comprehensive analysis and database software package.



### MicroRPM Cat. No. RPM01

#### 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

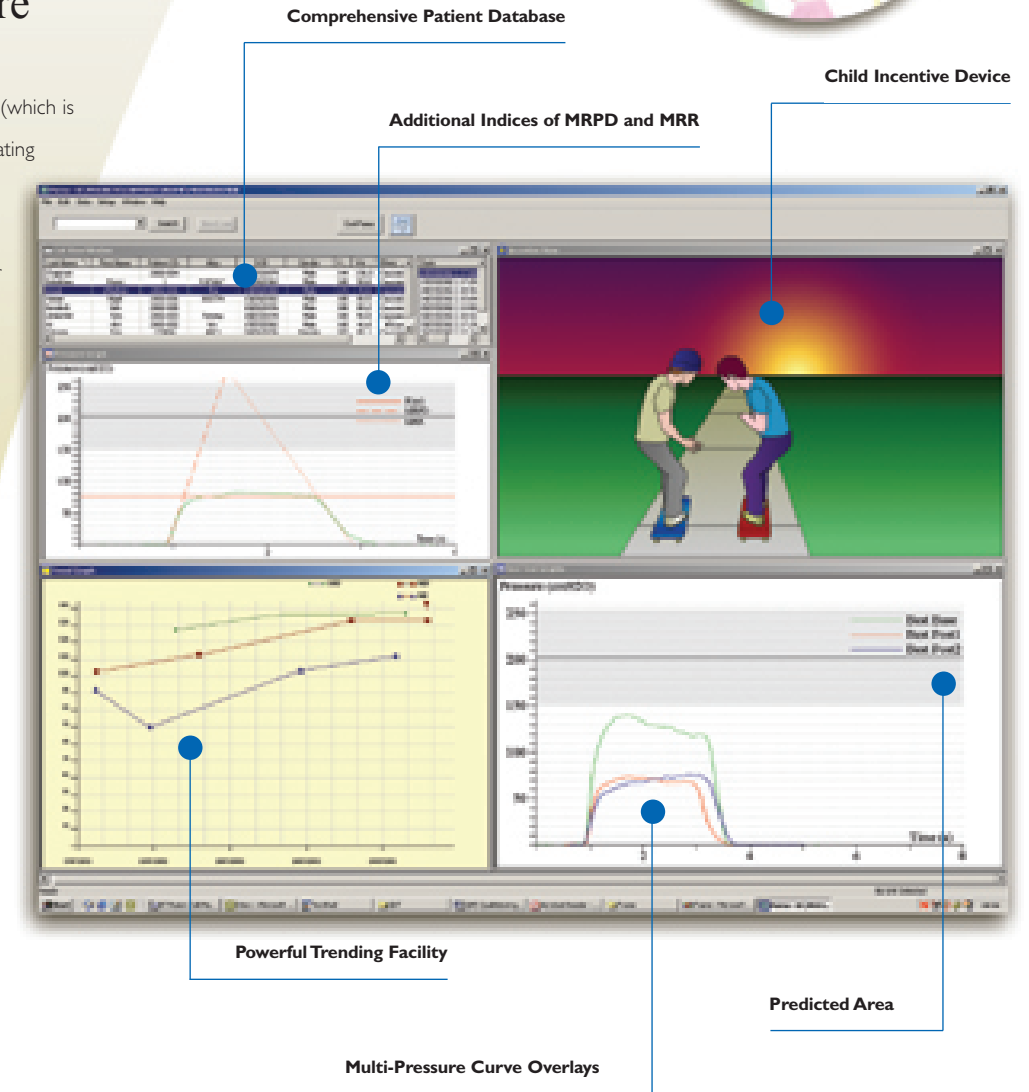
## Respiratory Pressure Database and Analysis Software

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.



### PC System requirements

- Pentium processor or higher
- 32 MB RAM
- 4 MB hard disc space
- One free serial and/or USB port
- Micro Medical Spirometry serial cable

### Puma Cat. No. PUI000

#### Features

- 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 and MRR