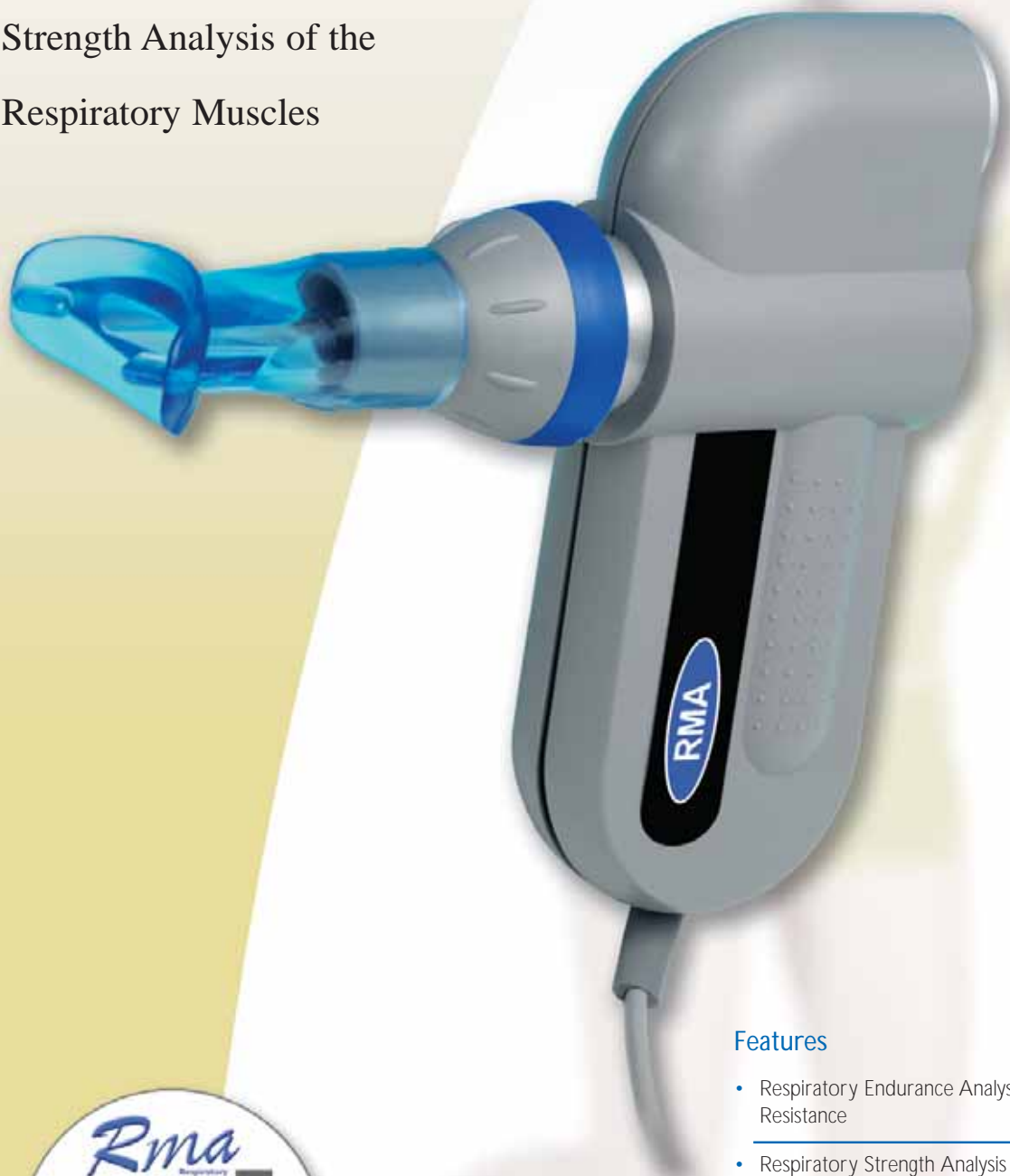


Micro

MicroRMA (Respiratory Muscle Analyser)

Medical

Simple Endurance and
Strength Analysis of the
Respiratory Muscles



Features

- Respiratory Endurance Analysis at Constant Resistance
- Respiratory Strength Analysis at User Defined Lung Volumes



Focus on the Future



Medical

Micro Medical Ltd introduces the MicroRMA (Respiratory Muscle Analyser), a patient friendly, handheld device enabling the quick and efficient examination of both the Endurance and Strength of the respiratory muscles: the driving force behind the ability to breathe. The unique mechanics of our patented variable aperture controls both the flow and the pressure at the mouth, enabling endurance and strength measurements during normal tidal breathing.

Endurance

The MicroRMA controls the incremental loading of Constant Resistance, which is the most natural simulation of increased workload during tidal breathing. The Cumulative Energy (pressure x flow x time) expended against this increasing workload represents the endurance of the respiratory muscles. Respiratory endurance, the ability to maintain a respiratory task over time, provides a crucial insight into the patients' ability to breathe and their response to pulmonary rehabilitation.

Strength

The MicroRMA can measure mouth pressure at user defined volumes, defined by either the volume in litres or the percentage of a patients' vital capacity (VC). These mouth pressures at user defined volumes offer an important insight into the strength of the respiratory muscles during the patients' actual tidal breathing cycle.

The MicroRMA is simply connected to a PC or laptop, by USB, to provide healthcare professionals with an essential breakthrough in the fields of respiratory assessment and pulmonary rehabilitation, where the relationship between the COPD patient and their ability to breathe is of critical importance.

MicroRMA Cat No. RMA100

- Respiratory Endurance Analysis at Constant Resistance
- Respiratory Strength Analysis at User Defined Lung Volumes

RMA Research Cat No. RMA200

In conjunction with the MicroRMA technology, incorporating the mechanics of our patented variable aperture, it is possible to customise and control any combination of pressure, flow, time, volume, power, resistance and energy, relating to respiratory dynamics.

A unique opportunity exists to engage the Micro Medical Ltd Research and Development Department to provide the tools and software necessary to fulfill the protocol requirements of your respiratory research project. Contact Micro Medical Ltd to access expertise accumulated over 20 years of respiratory innovation.



Patient Database

Ref	Age	Sex	Height	Weight	VC	FEV1	FVC	FEV1/FVC	FEV1/VC	FEV1/VC	FEV1/VC	FEV1/VC	FEV1/VC	FEV1/VC	FEV1/VC	FEV1/VC	FEV1/VC	FEV1/VC	FEV1/VC
1001	65	M	175	85	2.5	1.2	2.0	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
1002	68	F	160	70	2.0	1.0	1.8	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

Scrolling Tidal Flow Graphics

Ti/Ttot Graphics

Cumulative Energy (Joules or Calories)

Configurable Test Protocol



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