

# Revolutionary home respiratory monitoring



## Piko-1

### Electronic Peak Flow/FEV<sub>1</sub> Meter

- The world's first pocket sized electronic peak flow and FEV<sub>1</sub> meter
- Easy to use - just one operating button
- Electronic storage of the last 96 readings
- Intelligent test quality alerts
- Easily personalised colour zones
- Clear LCD display
- Typical 1 year battery life
- ATS/EU scale compliant
- Low cost
- Optional PiKoTrend Professional Software for tracking and trending

# Freedom to Breathe

## TECHNICAL SPECIFICATIONS

**PEF:** Range 15 - 999 l/min (1l/min resolution)

**FEV<sub>1</sub>:** Range 0.15 - 9.99 litre (0.01 litre resolution)

**Accuracy:** PEF:  $\pm 5\%$  or 20 l/min (whichever is greater) FEV<sub>1</sub>:  $\pm 3\%$  or 0.1 litre (whichever is greater)

**Sensor:** Pressure/flow sensor technology (patented)

**Memory:** 96 tests contain: PEF, FEV<sub>1</sub>, Colour Zone, Quality Factor, Time/Date Stamp (15 min resolution)

**Memory type:** Non-volatile

**Colour zone:** 3 Colour Zones (Green, Yellow, Red)

**Reference values:** User settable for PEF or FEV<sub>1</sub>

**Quality factor:** Warning & indicator for cough or abnormal blow

**Sounds:** 4 patterns for different indications and warnings

**Communication:** Bi-directional IR port (RS232 format)

**External settings:** Possible settings using the optional software: - Each Colour Zone limits (in 10% increments) - Select Colour Zones to relate to PEF or FEV<sub>1</sub>

**Battery life:** 1 year typical

**Battery type:** 2 x type 357 silver oxide button cells (or equivalent)

**Dimensions:** 75 x 35 x 20mm

**Weight:** 35 grams

**Back pressure:** <2.5 cmH<sub>2</sub>O/l/sec at 14 l/sec or lower

**Operating temperature:** 5 - 40°C

**Storage temperature:** -20 - 70°C

**Humidity:** 20 - 95% relative humidity

**Barometric:** 550 - 780mm Hg

**Standards:** ATS 1994 (monitoring devices)

**Compliance:** EN13826:2003; AS/NZS-4237:1994; EN60601, EN60601-1-1, EN60601-1-2

**Regulatory:** FDA - 510(k) for OTC CE 0086 - Class I, with measurement function

**Warranty:** 6 months (batteries not included)

## PRODUCT / ACCESSORIES CODES

**345010-EU** PiKo-1

**393535** Replacement clear plastic mouthpieces (pack of 10)

**660215-EU** PiKoTrend Professional Software, serial port version

**660217-EU** PiKoTrend Professional Software, USB port version

## PiKo-1

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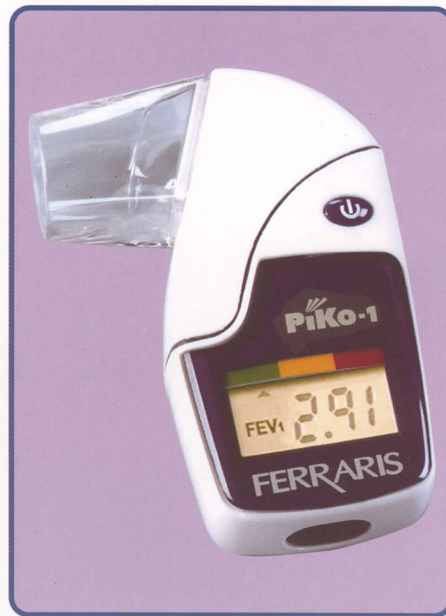
The PiKo-1 is one of the world's most effective tools for managing asthma and other respiratory conditions at home. Unlike traditional mechanical meters, which only measure peak flow, the electronic PiKo-1 also measures FEV<sub>1</sub>, considered by many asthma specialists to be a more reliable indicator of an impending asthma attack. The PiKo-1 is also more accurate in the measurement of peak flow than mechanical peak flow meters.

Users of the PiKo-1 benefit from a number of sophisticated features, including automatic test quality alerts and electronic data storage.



Data can be reviewed via the single operating button, eliminating the errors associated with paper diaries. These advanced functions won the PiKo-1 the Best Over-the-Counter and Self-Care Product Award at the US Medical Design Excellence Awards 2003.

The PiKo-1 is not only a highly sophisticated home asthma monitor, it is also available at a



cost comparable to traditional mechanical peak flow meters.

The optional PiKoTrend Professional Software further enhances the performance of the PiKo-1. This easy to use, Windows™-based software features a small serial or USB interface cradle which allows single or multiple patient data to be downloaded to a computer for tracking or trending purposes. All data is date and time stamped and can be presented in graphical or tabular format. Data from the

PiKoTrend Professional Software can also be exported for further analysis or onward transmission.



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**WRIGHT**™ Respirometers

**ZAN** Messgerate

**KOKO** Spirometry

**Collins** Pulmonary Diagnostics

**PiKo** Monitors

**POCKETPEAK**

**POCKET CHAMBER**

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