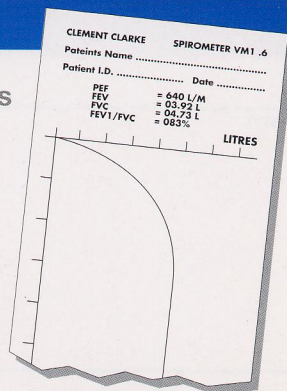


IMPROVED  
VERSION



## RESULTS AT YOUR FINGERTIPS

- The Mini-Spirometer which provides accurate and reliable readings of PEF, FEV<sub>1</sub>, FVC and the FEV<sub>1</sub> : FVC ratio (as a percentage)
- Results summary and now the Volume/Time curve printed (with compatible printers)
- "BAD" blow software analysis



# Clement Clarke

The battery powered and portable Enhanced VM1 incorporates a built-in Mini-Wright peak flow meter which enables checks to be made on the accuracy of every measurement.

Arrives complete with Normal Values guide and parallel printer connection lead.

The Enhanced VM1 is available calibrated to either ATS Scale or Wright Scale, and joins the other quality meters from Clement Clarke.

**Parameters measured:** PEF (L/min)  
FVC (Litres)  
FEV1 (Litres)  
FEV1/FVC (%)

**Measurement mode:** Static pressure sensing in Mini-Wright peak flow meter

**Pressure Transducer:** Integrated circuit piezoresistive

**Microprocessor:** Z80, Clock rate 2MHz

**Signal processing rate:** 300Hz

**Peakflow period:** 10ms

**Frequency Response:** 100Hz @ 350L/min

**Sampling time:** Up to 10s

**Memory size:** 8K RAM 4K ROM

**Power Source:** 1 x PP3 9v Battery

**Printer Compatible:** Parallel, accepts 36 way IEEE 488 Centronics Connector

**Auto-switch-off time:** 30 s (approx)

**Range:** PEF 15-800 L/min

**Accuracy:** Better than  $\pm 5\%$  (95% confidence limits)

**Repeatability:** Better than  $\pm 2\%$

**Flow resistance:** 12cm H<sub>2</sub>O at 350 L/min

**Size:** Including mouthpiece 210 x 120 x 70mm

**Weight:** 420g (15oz) including mouthpiece and battery

**Flow Meter Type:** Variable orifice, springloaded Piston (Mini Wright)

**Dynamic Characteristics:** Critically damped at normal profile at 350 L/Min

**VM1 Mini-Spirometer**  
(inc. printer lead and Normal Values guide)

**Wright Scale**

**ATS Scale**

**Catalogue  
Number**

**3108000**  
**3108500**

**Adult disposable mouthpieces (100's)**  
**Paediatric disposable mouthpieces (40's)**  
**Sterilisable universal mouthpieces (15's)**  
**Sterilisable universal mouthpieces (4's)**  
**Pad of 50 peak flow charts**

**Catalogue  
Number**

**3125030**  
**3125005**  
**3103095**  
**3103054**  
**3122007**

**DISTRIBUTED BY:**

**Clement Clarke International Ltd.**  
**Edinburgh Way, Harlow,**  
**Essex CM20 2TT**

**Telephone: +44 1279 414969**  
**Fax: +44 1279 635232**

**CE 0120**