



PEAK FLOW METER



Introducing the world's first cellular-enabled peak flow meter, designed to effortlessly measure both Forced Expiratory Volume in 1 second (FEV1) and Peak Expiratory Flow (PEF). This device marries the precision of medical-grade measurements with the convenience of modern technology, allowing individuals to monitor their lung function with unparalleled ease.

Its user-friendly interface and seamless connectivity via cellular networks empower users to effortlessly track their respiratory metrics, enabling early detection of changes and timely interventions.

FEATURES

- Easy-to-use Peak-flow Meter
- Measures FEV1 and PEF
- 4G Cellular enabled
- Power Supply: 2 x AAA Alkaline Batteries
- Lightweight and small in size - only 52g and 142 x 48x 56mm
- LCD Display
- Test method: Pressure Sensor
- Measurement Range: Volume 0.5L~ 8L
Flow Rate: 60L/min ~ 840L/min



TECHNICAL SPECIFICATIONS

Product Name	Peak Flow Meter
Model	SMPF-1
Power Supply	DC3V (2 AAA Alkaline batteries)
Display	Segment LCD
Test method	Pressure Sensor
Measurement range	Volume: 0.5L ~ 8L Flow rate: 60L/min ~ 840 L/min
Accuracy	Volume: $\pm 3\%$ or $\pm 0.05L$ (whichever is greater) Flow rate: $\pm 10\%$ or $\pm 10L/min$ (whichever is greater)
Linearity	Volume: $\pm 3\%$ Flow rate: $\leq 5\%$
Repeatability	Volume: $\pm 3\%$ or $\pm 0.05L$ of reading (whichever is greater) Flow rate: $\pm 5\%$ or $\pm 10 L/min$ of reading (whichever is greater)
Airflow resistance	0.006 kPa/L/min
Flow Rate Frequency response	$\pm 12\%$ or $\pm 15L/min$ (whichever is greater)
Working way	Continuous operation
Operating environment	+10°C ~ +40°C; $\leq 80\%RH$
Operating atmospheric pressure	700hPa~1060hPa
Transport, storage environment	-10°C ~ +55°C; $\leq 95\%RH$
Transport, storage of atmospheric pressure	500hPa~1060hPa
Weight	52g
Size	142*48*56mm

CONTENTS OF THE KIT

- ✓ 1 x Peak Flow Meter
- ✓ 2 x AAA Alkaline Batteries
- ✓ 1 x Instruction Manual

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