

PATENTED

# FlowMIR<sup>TM</sup>

Disposable Turbine Flowmeter,  
with cardboard mouthpiece

The original and Patented disposable  
sensor, with turbine technology



REF 910004

**MIR**  
MEDICAL INTERNATIONAL RESEARCH



CE



**FlowMIR**

Disposable Turbine  
with Cardboard  
Mouthpiece

**MIR**

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# MAIN features



## ACCURATE

Compliant with **ATS/ERS** accredited Spirometry Guidelines, including 2019 update with accuracy 2,5%



## PORTABLE

Not affected by air pressure, humidity, temperature and viscosity. No need for a weather station.

Factory calibrated, no need for daily calibration check.



## CLEAN

Physically isolated from inspiration and expiration flows. **Reduce cross-contamination risk**



# DISTINCTIVE features



## COMFORTABLE PACKAGING

Available in a 60 pcs or 10 pcs carton box. Easy to store. Easy to carry. **No expiration date.**



## INDIVIDUALLY WRAPPED

Each turbine is individually sealed into an easy-to-open plastic bag.



## CALIBRATION FREE

Factory calibrated, **no need for calibration** equipment and calibration procedure



## DISINFECTION FREE













Hygienically sealed, **no need for cleaning** equipment and maintenance procedures

# Also AVAILABLE WITH FILTER

- COMPLETELY DISPOSABLE TURBINE-FILTER KIT (code 910304)
- Easily comply with **enhanced infection control** measures during pandemic
- VBMMax PFT Filter is manufactured by A-M Systems, leading supplier of high-quality respiratory products



# Sensor Flowmeter **OVERVIEW**

	<b>TURBINE</b>	Pneumotach	Ultrasonic
Affected by air pressure, humidity, temperature and viscosity	 No	 Yes	 Yes
Affected by water condensation in expiration	 No	 Yes	 No
Risk of "measurement drift" of the original signal	NONE (Infrared Sensor)	HIGH (Transducer + Filter)	VERY HIGH (Transducer + Control + Filter)
Complete physical isolation of the sensor from inspiration and expiration	 YES	 NO	 NO
Calibration Required	 NO	 YES	 YES

[PLAY VIDEO](#)



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## **TECHNICAL** Datasheet Rev1

Product Code 910004

### Dimension

External diameter	Ø 33.3 mm
Internal diameter	Ø 30.5 mm
Length	41.5 mm
Thickness	2 mm
weight	20.29 g
Mouthpiece	Ø 30 mm (1.18 inches)

### Material

Transparent part	LEXAN 121R (polycarbonate)
Deflector	LEXAN 121R (polycarbonate)
Blade	HOSTAFORM C52021
Mouthpiece	pure cellulose or paper

### Packaging

Packaging type	clean, not sterile
Pieces per box	10/60 pieces
Pieces per pallet	4800(480 boxes)/ 4200 pieces (70 boxes)
Phthalates	free
latex	free

### Certificates & Registration

CE class	IIa
CE certificate	MED 9826
CND code	Z12150180
GMDN code	46906

### A-M Systems VBMax PFT Filter

Bacterial filtration efficiency: > 99.999%  
 Viral filtration efficiency: > 99.99%  
 Resistance: 0.75 cm H<sub>2</sub>O L•sec-1 @ 14 L•sec-1  
 Free of latex, PVC, DEHP, BPA