

Medikro Duo

PRODUCT CODE
M920

The 2-in-1 portable spirometer for asthma
and COPD screening

Quick test mode

Test quality indicators

Calibration free

User-Friendly





Medikro Duo is a versatile device that can be used for both asthma and COPD screening. With its quick test mode, spirometry screening tests can be completed in just two minutes, and Medikro's quality indicators ensure both speed and accuracy.

Medikro Duo is utilizing Medikro Spirometry Software (MSS). Additionally, MSS makes possible to view and monitor screening data from multiple spirometers in one single interface. The Medikro Duo requires no calibration, and utilises the reliable and disposable Medikro SpiroSafe flow transducers.

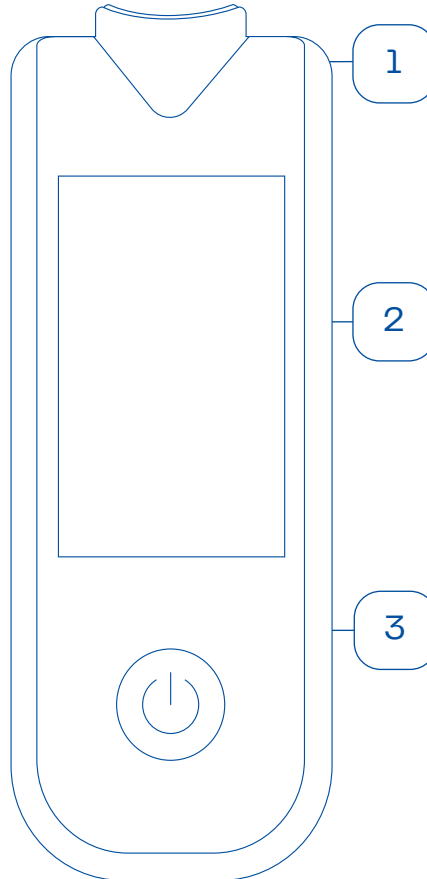
PURCHASE DETAILS

Product code – M920

Medikro Duo Spirometer with ambient conditions measurement sensors

- M9356-180W USB Cable C Plug to A Plug, length 1.8m, color white
- M9831 Medikro Spirometry Software
- M8304 User's Manual
- M8823 installation Guide

HIGHLIGHTS



1 3 measurement modes

The Medikro Duo is a versatile spirometer that offers three different operation modes to choose from: FVC, FEV6 and PEF. This flexibility makes it suitable for a wide range of screening purposes.

2 Quick test mode

The Medikro Duo is a handy tool that lets you perform spirometry screening in less than two minutes, thanks to its separate quick test mode. This feature allows you to complete screening quickly and efficiently, making it a great option for busy clinics or non-clinical settings.

3 Screening quality indicators

These indicators can detect hesitation, lazy blowing, coughing, and early termination during spirometry screening, providing you with valuable insights into the quality of the results.

SERVICE AGREEMENT

Opt for a service agreement with Medikro to enhance your equipment's longevity and reliability.

Indefinite Warranty

Service agreement customers receive a warranty extension as long as they continue annual maintenance, ensuring long-term value.

Hassle-Free Maintenance

We handle scheduling and reminders, allowing you to focus on core responsibilities while maintaining optimal device performance.

CUSTOMERS' FEEDBACK

“Medikro Duo has revolutionized my practice – it's accurate, efficient, and incredibly user-friendly!”

PRAXIS DR. JOHANNES SCHMIDT
GERMANY

Your local Medikro representative:

CE ISO
0537 13485



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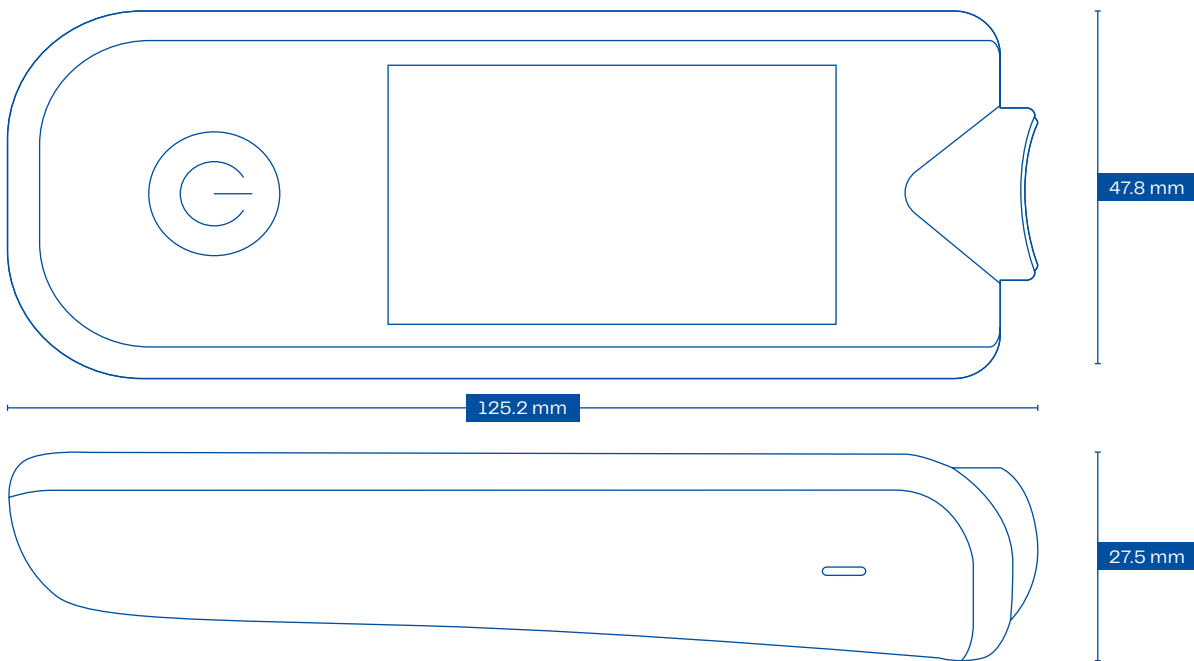
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Technical specifications



Measurement manoeuvres	Mode	Calculated variables
	PEF	PEF
	FVC	FVC, FEV1, FEV1/FVC, PEF
	FEV6	FEV6, FEV1, FEV1/FEV6, PEF
BTPS values	The values are expressed as BTPS values	
Sensor Type	Medikro SpiroSafe Pneumotach	
Power Equipment	Lithium Polymer 3.7V	
Accuracy and Reproducibility	Meets or exceed ATS (1994), ERS (1993) and ATS/ERS (2005)	
Performance Standards	EN ISO 26782 & EN ISO 23747	
Safety Standards	IEC / EN 60601-1 & IEC / EN 60601-1-2	
Usability Standards	IEC / EN 60601-1-6 & IEC / EN 62366	
System Requirements	Client operating system (32-bit/64bit): Windows 10 and Windows 11 Server operating system (32-bit/64bit): Windows Server 2012 R2 Database Server version (if multiple user environment): Microsoft SQL Server 2012, 2014, 2016, 2019 Microsoft .NET Framework version 4.5 or newer (or v4.0 full version) Display resolution: 1366x768 (minimum), 1920x1080 (recommended). CPU: 1 GHz or faster. Dual core, if incentive animation used. RAM: 1 GB (minimum), 2 GB or more recommended. DVD-drive to install MSS. CD-drive for inserting linearization fles. USB port for Medikro spirometer. Bluetooth v4.0, if Medikro DUO device used wirelessly.	

Predicted values	Model	Description		
	FEV6-mode & FVC-mode			
	GLI 2012 African American (3-95)	Global Lung Function Initiative predicted values for African American adults and children		
	GLI 2012 Caucasian (3-95)	Global Lung Function Initiative predicted values for Caucasian adults and children		
	GLI 2012 North East Asian (3-95)	Global Lung Function Initiative predicted values for North East Asian adults and children		
	GLI 2012 Other/mixed (3-95)	Global Lung Function Initiative predicted values for Other/mixed adults and children		
	GLI 2012 South East Asian (3-95)	Global Lung Function Initiative predicted values for South East Asian adults and children		
	Kainu 2015 (18-95)	Finnish predicted values: Kainu for adults (18 ≤ age < 95)		
	Koillinen 1998 (4-18)	Finnish predicted values: Koillinen for children (4 ≤ age < 18)		
	PEF-mode			
	Eigen (EU) 2001 (3-8) and Cotes (EU) 1973 (8-16)	Eigen in EU scale for children (3 ≤ age < 8, height 87-127 cm). Cotes in EU scale for children (8 ≤ age < 16)		
	Koillinen 1998 (EU) (4-18)	Finnish predicted values: Koillinen in EU scale for children (4 ≤ age < 18, height 110-170/180 cm)		
	Nunn & Gregg (EU) 1989 (15-85)	Nunn & Gregg in EU scale for adults (15 ≤ age < 85)		
	Variables	Abbreviation	Name	Unit
FEV1		Forced expiratory volume at 1.0s	L	
FVC		Forced vital capacity	L	
FEV6		Forced expiratory volume at 6.0s	L	
FEV1/FEV6		FEV1 / FEV6	%	
PEF		Peak expiratory flow	L/min or L/s	
Quality checks	Real-time quality indicator detects hesitation, lazy blow, cough and early termination based on "ATS/ERS Task Force: Standardisation of Lung Function Testing" (V. Brusasco, R. Crapo and G. Viegi and "Spirometry in the Lung Health Study, Methods and Quality Control" (P. Enright). 1. European Respiratory Journal, 2005; 26: 319-338 2. The American Review of Respiratory Disease, 1991; 143:1215-1223.			
Storage and Shipping Environment	Temperatures between -20 °C (-4 °F) and 50 °C (122 °F). Relative humidity between 10 and 95% (non-condensing). Atmospheric pressure of 500 hPa (mbar) to 1060 hPa (mbar).			
Operation Environment	Temperatures between 10 °C (50 °F) and 30 °C (86 °F), Relative humidity between 15% and 90% (non-condensing), Atmospheric pressure of 700 hPa (mbar) to 1060 hPa (mbar).			
Connectivity	USB-C, BT 4.0			
Bluetooth	4.0			
Wireless charger	Qi 1.1			
Qi wireless charger & power supply	Qi wireless charger Model: ZESCO5B ZENS Headquarters High Tech Campus 10 5656 AE Eindhoven The Netherlands	Power supply Models: LY012SPS-050200UH & LY012SPS-050200VH DongGuan Liyang Electrical Technology Co., LTD Zone A 2F Building D Chuangfu Industrial Zone Dakan Village Huangjiang Town Dongguan, Guangdong 523750 CHINA		
Power Input	(USB port) 5Vdc 500mA (power supply) 5Vdc 2A			
Dimensions	Height = 47.8 mm Width = 125.2 mm Depth = 27.5 mm			
Weight	170g			

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