

MESI ABPI MD

World's fastest Ankle-Brachial Index

Automated ABI measurement in 1 minute with a simple portable device



Multiple cuff sizes



Healthcare staff friendly



Bag and trolley layout



1-button operation

Why measure ABI with MESI ABPI MD?



SMARTARM™ DETECTION

It's FAST

No need for rest time. Regulated cuff inflation and deflation in 1 minute. Automatic detection of the arm with higher blood pressure.



PADsense™ ALGORITHM

It's ACCURATE

Reliable interpretation of pulse waveforms to identify severe disease and notify the operator with a clear "PAD" message.



3 CUFF™ TECHNOLOGY

It's RISK FREE

Completely simultaneous, risk free measurement, eliminating human error and blood pressure drift.



MESIresults SOFTWARE

It's DETAILED

Pulse waveform analysis, report print-out and storing of the result for a precise interpretation at any time.

MESI ABPI MD Technical Specifications

Measurements

Ankle-Brachial Pressure Index using improved oscillometric method and plethysmography, with PADsense™ algorithm

Heart rate and systolic, diastolic, and mean blood pressure using an improved oscillometric method and plethysmography

Measurement extensions

Blood pressure

Pulse wave velocity*

*Available with MESIresults software

Device dimensions

Width: 223 mm / 8.78 in

Depth: 174 mm / 6.85 in

Height: 86 mm / 3.38 in

Weight: 1000 g / 2.2 lbs

Power & battery

Battery type: Rechargeable lithium-polymer battery

Capacity: 4400 mAh

AC/DC adaptor: FRIWO FW8030M/05 or FOX NEO30-XM

Input: 100-240 V AC / 50-60 Hz / 600-300 mA

Output: 5V DC / 3.0 A

Examinations per battery charge: > 100

Charge time for depleted battery: 2 hrs

Touchscreen display

Diagonal size: 8"

Resolution: 800 x 600 pixels

Color depth: 16-bpp

Cuffs

Medium size cuffs (circumference: 22-32 cm / 6.7-12.6 in)

Large size cuffs: (circumference: 32-42 cm / 12.6-16.5 in)

Measurement range & Accuracy

Measurement range:

Pressure: 0 to 299 mmHg

Pulse rate: 30 to 199 beats per minute

Accuracy:

Pressure: ± 3 mmHg

Heart rate: $\pm 5\%$ of value

Ankle-Brachial Pressure Index: ± 0.1

Data backup and management

MESIresults software

Protection Classification

Protection against electric shock: Class II

Medical device classification: Class IIa

Applied parts (cuffs for arms and ankles):

Type BF Applied part

Software classification: Class A

RF emissions (CIPSR 11): Group 1. Class A

Ingress protection: IP2X

Applied Standards

EN 60601-1:2006+A1:2013 General requirements for basic safety and essential performance

EN 60601-1-2:2015+A1: 2021 Electromagnetic disturbances - Requirements and tests

EN 80601-2-30:2019 Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers

Operating Conditions

Temperature, operating: 10° to 40°C

Relative humidity: 30 to 80% (no condensation)

Pressure during operation: 700 to 1060 hPa

Transport & Storage Conditions

Temperature: 0° to 40°C (32° to 104°F)

Relative humidity: 15 to 85%

Pressure during storage: 700 to 1060 hPa

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 MESImedical

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European production
and development



Worldwide presence

FDA

Food and Drug
Administration
cleared



EU Medical Device
Regulations
compliant



ISO 9001 Q-1664
ISO 13485 M-049

ISO 9001 and
ISO 13485 certified



MDSAP compliant