

MESI mTABLET

ABI



3

Simultaneous Limb
Measurement

EHR

Integration

3CUFF™

Technology

1 MIN

Measurement
Time

Features

- PADsense™ algorithm
- SmartArm™ detection
- Pulse waveforms and oscillation graphs
- Advanced review and alerts
- Clear alert of severe PAD
- Comprehensive measurement report
- Automatic data storage
- Multiple cuff sizes
- Regulated cuff Inflation and deflation in 1 minute

A New Standard In ABI Screening

The MESI mTABLET ABI brings a smarter, more efficient approach to Ankle-Brachial Index testing and Peripheral Arterial Disease (PAD) screening. Its fully automated measurement process uses three cuffs to measure arm and ankle pressures simultaneously, helping reduce potential sources of human error and providing fast, reliable results. With clear pulse waveforms, automated result review, clinical alerts, and comprehensive reporting, the mTABLET ABI gives healthcare professionals the tools to support earlier PAD detection and more confident clinical decision-making.

Market Type



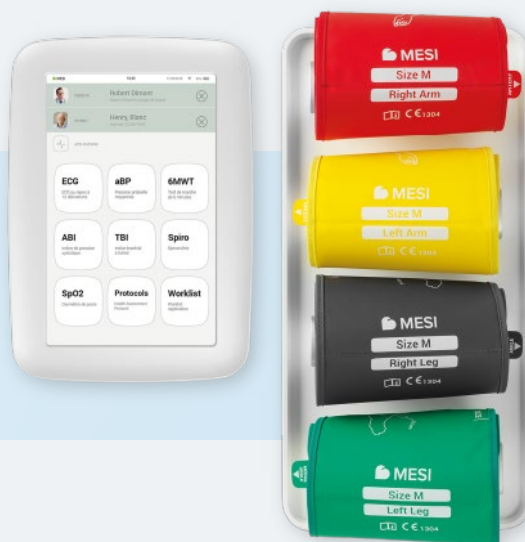
Primary
Care



Long-Term
Care



Acute Care



Specifications

DIMENSIONS

Width: 40 mm (1.57 inches)
Depth: 40 mm (1.57 inches)
Height: 150 mm (5.91 inches)
Weight: 286 g

POWER & BATTERY

Battery Type:
Rechargeable Lithium-Polymer battery
Capacity: 1240 mAh
Examinations per battery charge: >200

CUFF SIZES

Medium size cuffs

CUFF-RAM, CUFF-LAM,
CUFF-RLM, CUFF-LLM

Circumference: 22-32 cm

Large size cuffs

CUFF-RAL, CUFF-LAL, CUFF-RLL,
CUFF-LLL

Circumference: 32-43 cm

CLASSIFICATION

Protection against electric shock

Class II equipment

Software classification: Class B

RF emissions (CISPR 11): Group 1, Class B

OPERATING CONDITIONS

Temperature, operating: 10° to 40°C

Relative humidity

25 to 85% (no condensation)

Pressure during operation

700 to 1060 hPa IP42 Rating

MEASUREMENT SPECIFICATIONS

Measurements using oscillometry and
volume plethysmography

Ankle-Brachial Pressure Index

Systolic blood pressure

Diastolic blood pressure

Heart rate

Measurement range

Pressure: 0 to 299 mm Hg

Heart rate: 30 to 199 beats per
minute

Max deviation

Pressure: ± 3 mmHg

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

Ankle-Brachial Pressure Index:
 ± 0.1

CONNECTIVITY

Receiving section

Frequency range:

2401.3 MHz – 2480.7 MHz

Bandwidth: 0.930 MHz

Transmitter

Output power: 0.5 - 4.5 dBm

Frequency range: 2401.3 MHz –
2480.7 MHz

Modulation: GFSK

TUBELESS BLOOD PRESSURE CUFF MODULES

Right arm – red

Left arm - yellow

Right ankle – black

Left ankle – green