



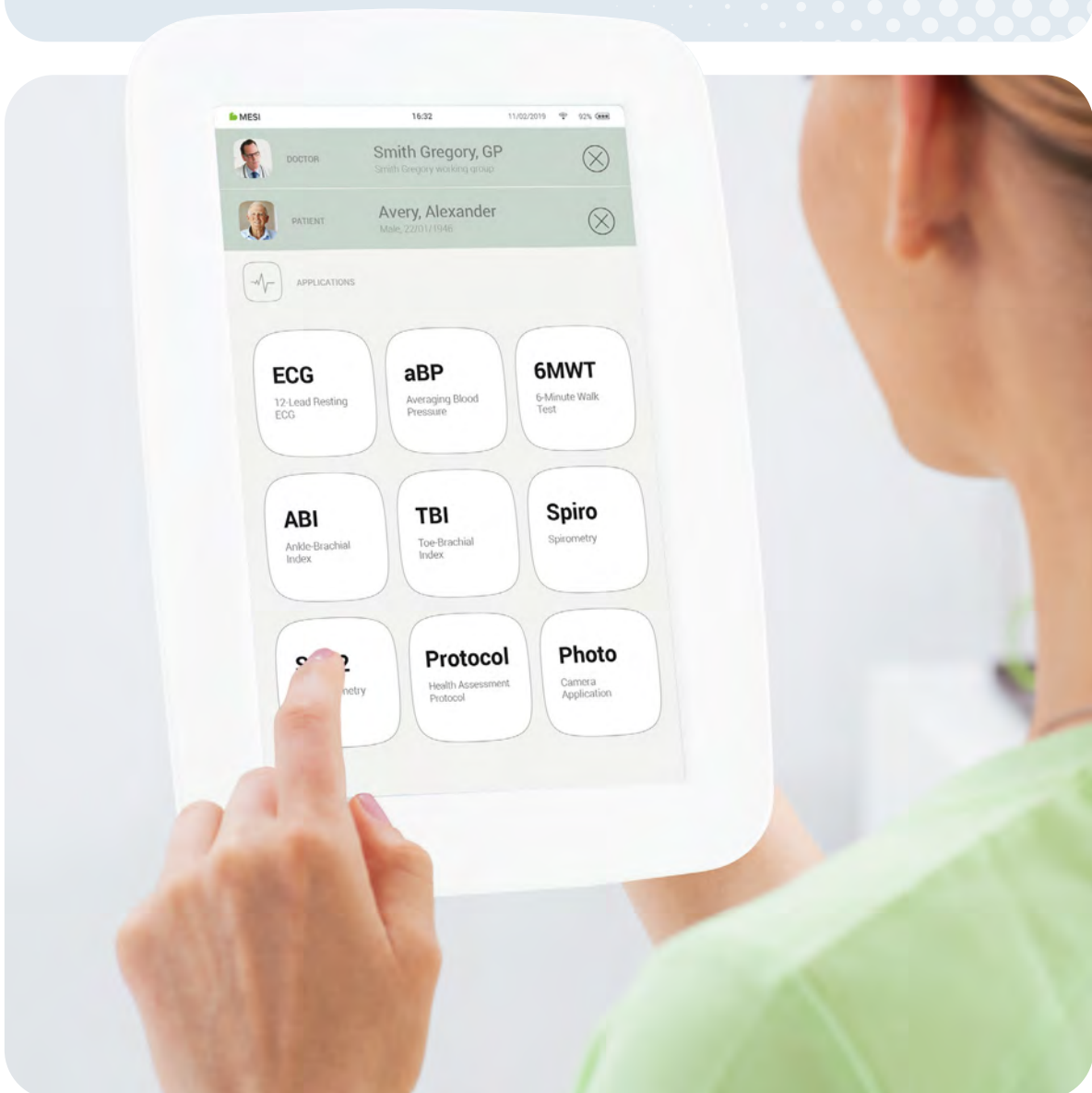
MESI

Simplifying Diagnostics

All diagnostic measurements.
All patient records.

One system.

MESI mTABLET



A whole new approach to integrated diagnostics



- > The **MESI mTABLET** enables fast and easy digitalisation of the healthcare system. It helps clinicians provide their patients with the best medical assessment by combining **diagnostic measurements, patient records, and clinical tools**. The diagnostic measurement results can be instantly shared with a GP or specialist for a second opinion.
- > With its wireless, modular approach, the MESI mTABLET streamlines workflows across different clinical applications, from arterial assessment and vital signs to comprehensive office diagnostics. It enables **unified user experience, single-setup connectivity**, and provides **decision-making support** to improve efficiency and patient outcomes.
- > All measurement reports and patient data are automatically stored in the patient record. The information can be reviewed on a computer, through the practice's information system, or on the **built-in MESI mRECORDS** platform, providing secure access from any web-enabled device.

12-LEAD ECG <

ANKLE-BRACHIAL INDEX <

TOE-BRACHIAL INDEX <

SPIROMETRY <

BLOOD PRESSURE <

PULSE OXIMETRY <

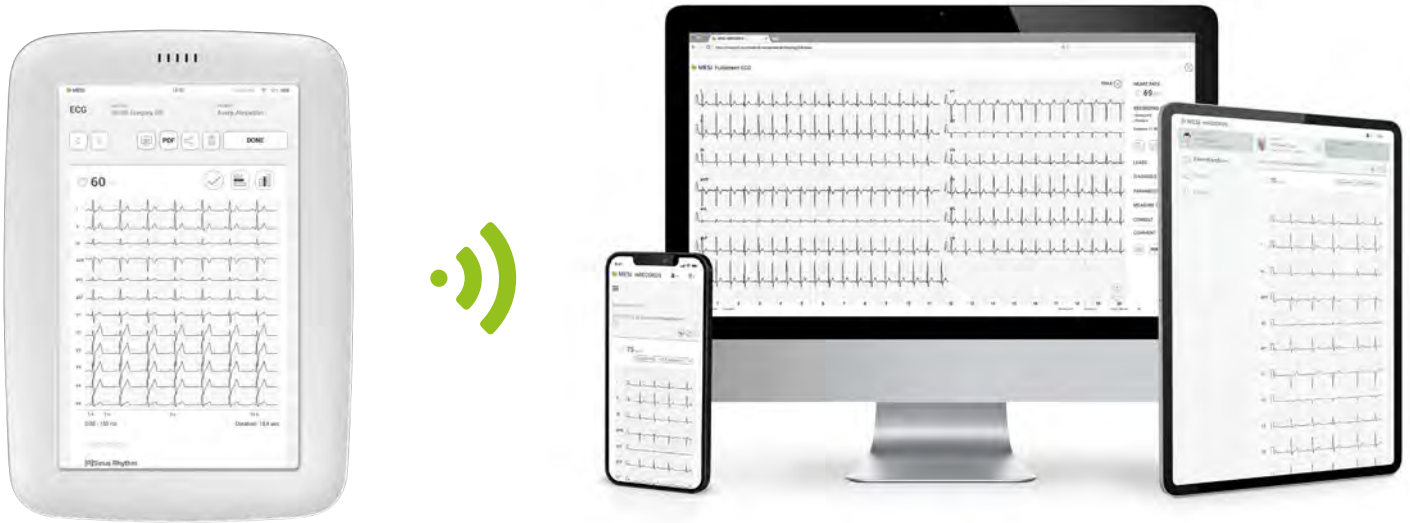
TEMPERATURE <

VITAL SIGNS <



Accessing Reports Anywhere with **MESI mRECORDS**

Every MESI mTABLET comes with MESI mRECORDS software. It ensures that all your measurements and patient data are automatically stored, and available for further analysis and review. MESI mRECORDS can be accessed by any device through secure login.



mrecords.mesimedical.com

Storing Reports Automatically with **EHR integrations**

The MESI mTABLET can fully adapt to your workflow. You can print out your results immediately, store them in a dedicated folder on your computer, or automatically upload them to your EHR software. Choose the level of integration that best fits your evolving requirements.



MESI mRECORDS for printouts and generating PDFs from the platform



Direct PDF storage from the MESI mTABLET using the MESI mTABLET Print Service



Worklist integration, supporting GDT, HL7, DICOM, XML



Full-scale integration providing a completely custom solution



Diagnostics and administration **all in one**

This is how the MESI mTABLET enables **integrated diagnostics**, streamlining your workflow with **excellent mobility** and **full technical support**.

- > All-in-one, wireless, and modular, the system seamlessly adapts to **any medical environment**.
- > Build a diagnostic system **for your practice needs**.
- > **Protocol app**: create custom protocols in minutes to guide you through preventive health exams or exams of patients with the same condition.
- > **Highest standards in data protection**, always in line with your local legislation.
- > Software updates are **automatic**.
- > **2-year warranty** on all MESI products.
- > **One service provider** and thus one contact point for all support.

Areas of use

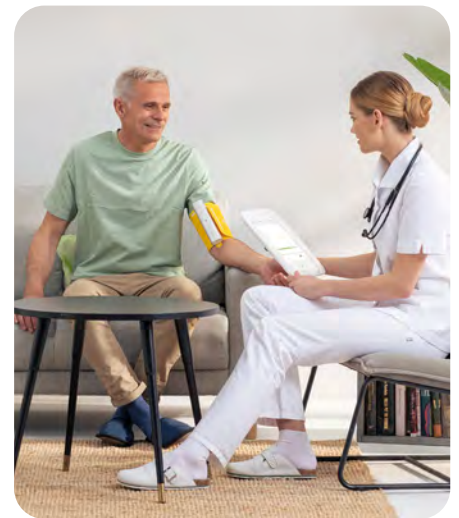
Office diagnostics



Vital signs



Arterial assessment



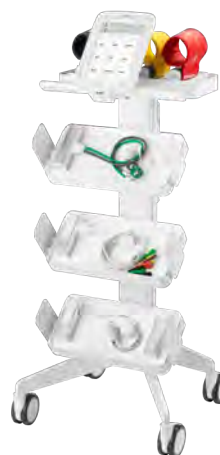
Choose a layout that fits your practice



Table-top Layout



Wall-mounted
Layout



MESI mTABLET
Trolley



Medical Trolley
Bag

MESI mTABLET ECG

First Completely Digital Electrocardiogram

The wireless and portable MESI mTABLET ECG is a powerful diagnostic device for advanced analysis and collaboration anytime, anywhere.

- > **Wireless**, digital 12-lead ECG measurement
- > **Sharing results** for an immediate second opinion
- > Advanced analysis options with **MESI mRECORDS**

SAVE DIRECTLY INTO EHR



VARIOUS PATIENT CABLES AVAILABLE



WIRELESS & PORTABLE



SHARE FOR A SECOND OPINION



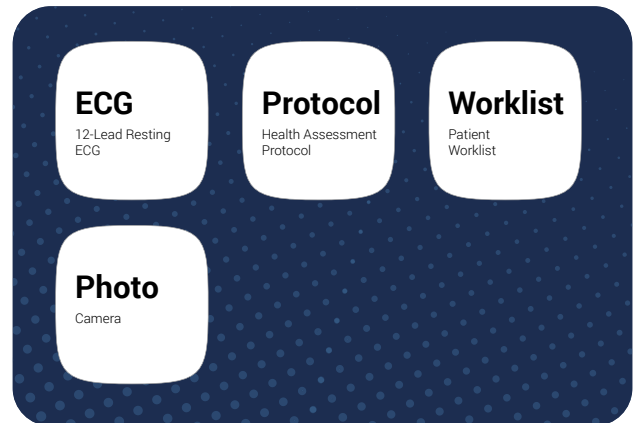


Why MESI mTABLET ECG?

- > 12-lead wireless ECG
- > Glasgow Interpretation Algorithm included
- > ECG signal filters (MESI signal enhancement, highpass, low-pass, mains, myogram)
- > 8 advanced view options
- > Recording speed and sensitivity settings
- > Simple zoom-in, comment adding and advanced analysis with event tagging
- > Customisable printout directly from the MESI mTABLET
- > Excellent mobility (bag or trolley): bring the ECG to the patient, not vice versa

Application extensions

The **MESI mTABLET ECG** is not only an advanced electrocardiogram. By adding new smart applications, you can extend the use and make it your lifetime associate. This makes it a truly new concept of a medical device.



MESI mTABLET ABI

The Smartest Wireless Ankle-Brachial Index

Automated wireless Ankle-Brachial Index system with its 3CUFF™ technology allows simultaneous measurement of the brachial and ankle pressures.

- > **PADsense™ algorithm** for detection of severe Peripheral Arterial Disease
- > **3CUFF™ technology** permits simultaneous measurement
- > 1-minute, easy and reliable ABI measurement with **pulse waveform interpretation**

SAVE DIRECTLY INTO EHR



MULTIPLE CUFF SIZES



3CUFF™ TECHNOLOGY



PAD

PADsense™ ALGORITHM



SHARE FOR A SECOND OPINION



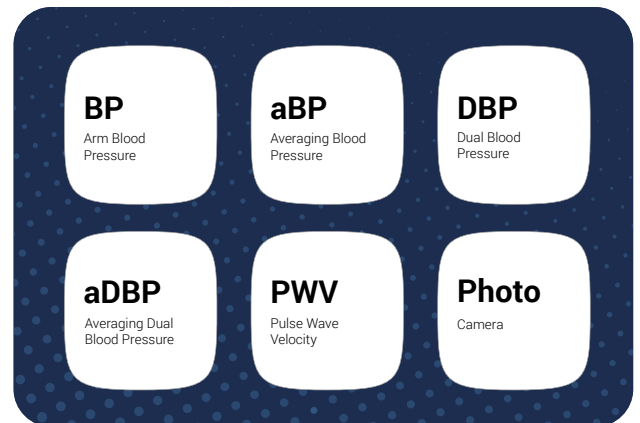


Why MESI mTABLET ABI?

- SmartArm™ detection – to determine the higher blood pressure of the two
- Automated, 3-cuff simultaneous measurement
- Multiple cuff sizes and ability to mix-and-match different size cuffs during one measurement
- Pulse waveforms and oscilation graphs
- Advanced review and alerts, thanks to PADsense™ algorithm

Application extensions

The **MESI mTABLET ABI** is not only an advanced Ankle-Brachial Index measuring device. By extending the use with smart applications, such as BP app or Photo app, you can measure blood pressure or track the healing of skin conditions in a matter of clicks, using the same device.



MESI mTABLET TBI

The Simplest Wireless Toe-Brachial Index

The MESI mTABLET TBI is used for detecting PAD in patients where an Ankle-Brachial Index measurement alone is not sufficient due to non-compressible arteries.

- > Quick and reliable TBI measurement with **pulse waveform interpretation**
- > Simple 1-step automated TBI measurement **performed in 1 minute**
- > **LED PPG probe** detects toe temperature, helping identify unilateral circulatory issues

SAVE DIRECTLY
INTO EHR



SMARTARM™
DETECTION
ALGORITHM



COLOUR CODED
CUFF SYSTEM



INTEGRATED SKIN
TEMPERATURE
SENSOR



SHARE FOR A
SECOND OPINION





Why MESI mTABLET TBI?

- > Simultaneous measurements in arms and toes. Adaptive infrared LED PPG light detects toe skin temperature and thickness
- > FirstWave™ algorithm for detecting the first returning pulse waveform in the toes
- > Comprehensive and reliable TBI report with pulse waveforms and oscillation graphs for the arms and PPG pulse waveforms for the toes
- > Multiple toe cuff sizes available to fit every patient

Application extensions

MESI mTABLET TBI is not just an advanced device for measuring the toe-brachial index. By adding smart applications, such as DBP (dual blood pressure measurement), you can efficiently determine blood pressure differences between arms and detect other potential cardiovascular risks, such as coronary artery disease (CAD). Expand the use of your diagnostic system whenever you require new measurements!



MESI mTABLET SPIRO

The Most Versatile Digital Spirometer

Streamline your pulmonary assessment with multiple measurement modes, diverse parameter calculation options and instant comparison with the patient's previous results.

- > Wireless mode of operation for practice or home visit use
- > Pneumotachograph technology with integrated self-calibration for accurate measurements at any time
- > Automatic or manual best breath selection with a clear and intuitive measurement review

INCENTIVE STOPWATCH



SAVE DIRECTLY INTO EHR



REAL-TIME DISPLAY OF CURRENT AIR TEMPERATURE, HUMIDITY AND PRESSURE

MANEUVER QUALITY WARNINGS



NON-FILTERED AND FILTERED MOUTHPIECES



REAL-TIME ANIMATED FLOW-VOLUME CURVE



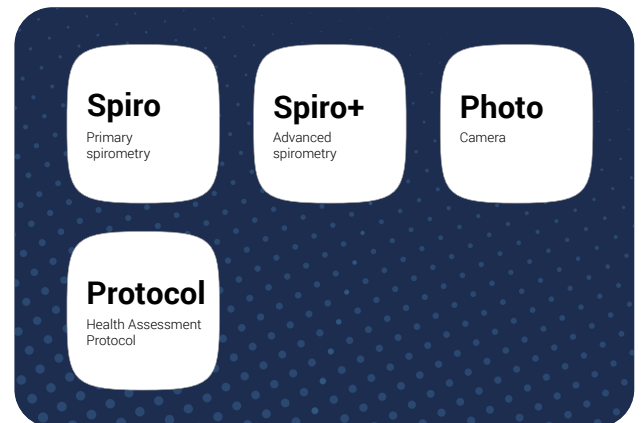


Why MESI mTABLET SPIRO?

- > Automatic selection of the best of all repeated maneuvers with the BestBreath™ detection
- > Detailed report with the ability to switch between charts and values for a clear interpretation
- > Different interpretation and prediction models available

Application extensions

The **MESI mTABLET SPIRO** is not only a versatile digital spirometer. Multiple measurement modes and parameter calculation options (quick, primary or advanced) make it an indispensable tool for diagnosing asthma, chronic obstructive pulmonary disease (COPD) and other conditions that affect breathing.



MESI mTABLET SPO2

The Most Flexible Pulse Oximeter

The MESI mTABLET SPO2 is a wireless pulse oximeter system for screening, diagnosing or monitoring acute respiratory or heart illness.

- > An intuitive user interface with quickly adjustable operating modes
- > Large screen with **high visibility of SpO2 levels and heart rate**
- > More than **8000 measurements** per single battery charge

SAVE DIRECTLY INTO EHR



ADDITIONAL MEASUREMENTS AND APPS



WIRELESS & PORTABLE



AUDIBLE AND VISUAL ALARMS

SHARE FOR A SECOND OPINION





Why MESI mTABLET SPO2?

- > Real-time audible and visual alarms
- > High performance even with low perfusion
- > Trend analysis
- > Multiple measurement options

Application extensions

The **MESI mTABLET SPO2** is not only an advanced pulse oximeter. By adding other smart applications, such as the 6MWT (6-Minute Walk Test), you can easily assess functional capacity in patients with a wide range of pulmonary, cardiovascular, neurological, and neuromuscular conditions.



MESI mTABLET BP

Revolutionised Office Blood Pressure

Bring high precision to the healthcare environment with a digital blood pressure monitor for fast and accurate readings.

- > First wireless arm cuff supporting **multiple cuff sizes**
- > One arm cuff, **several operating modes**
- > **Advanced analysis** with pulse waveforms

SAVE DIRECTLY INTO EHR

EHR

ADDITIONAL MEASUREMENTS AND APPS



CORRECT PLACEMENT AND SIZE GUIDES

WIRELESS & PORTABLE



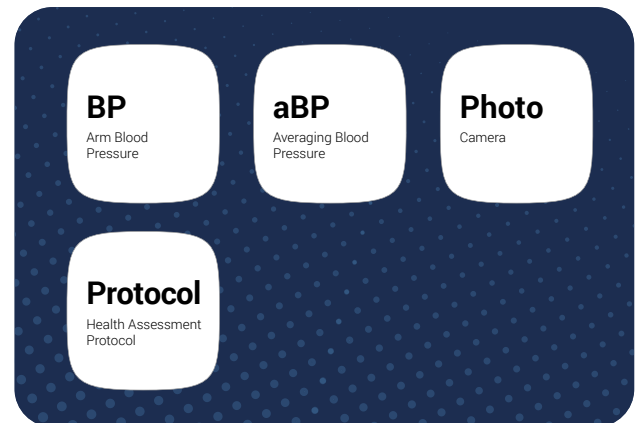


Why MESI mTABLET BP?

- Precise measurement of BP with additional software extensions
- Wireless operation with easily exchangeable cuffs in multiple sizes (M, L, XL)
- Isolation of pulse waveforms with the help of digital filters
- Clear display of pulse waveforms

Application extensions

The **MESI mTABLET BP** is not only an advanced blood pressure measuring device. Add new measurements whenever you need them! The aBP (Averaging Blood Pressure) application lets you take multiple blood pressure readings, which helps you detect masked hypertension and reduce overtreatment of white coat hypertension.



MESI mTABLET Thermometer

Non-Contact and Contact Thermometer in One

Perform contactless and diverse contact temperature measurements without manual data entry.

- > Fast and easy-to-use **contactless forehead option**
- > **Contact thermometer** for specialised measurements and/or confirmation
- > **Advanced analysis options** with patient history

VIEW, SAVE OR DISCARD RESULTS WITH A CLICK

IR PROBE FOR NON-CONTACT MEASUREMENTS



ARMPIT, RECTAL OR ORAL MEASUREMENTS

SHARE FOR A SECOND OPINION



SAVE DIRECTLY INTO EHR



Temperature
36.7
°C

If unsure about the reading, redo the measurement.

CANCEL

SAVE

WIRELESS & PORTABLE





Why MESI mTABLET Thermometer?

NON-CONTACT FOREHEAD THERMOMETER

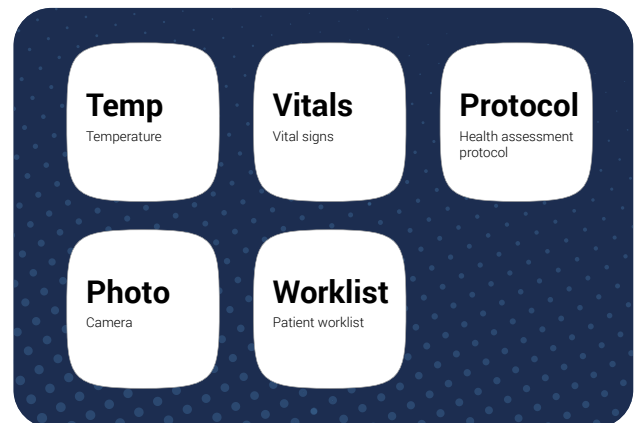
- Measured temperature from 34.0 °C to 42.0 °C
- Colour result indicator for immediate feedback
- Minimum cross-contamination risk
- Smoother and less invasive process with less distress for the patient
- Enhanced sustainability and lower total cost of ownership

CONTACT THERMOMETER

- Measured temperature from 34.0 °C to 42.0 °C
- Armpit, oral or rectal measurements
- Disposable contact probe shields for reduced cross-contamination risk

Application extensions

The **MESI mTABLET Thermometer** is not only an advanced temperature-measuring device. You can also use it within the MESI mTABLET VITALS (with heart rate, blood pressure and SpO2) for complete assessment of vital signs. By adding smart apps like Protocol, you can also make temperature a part of custom protocols at your practice.



MESI mTABLET VITALS

Intelligent spot check vital signs ecosystem

Simultaneously measure key vital parameters and save them automatically on one device.

- Wireless, connected diagnostic tools: **BP, SPO2, thermometer** (contactless + contact)
- Automatic calculation of **MEWS, NEWS2 S1** and **S2** Early Warning Scores
- Manual parameters: **respiratory rate, pain, ACVPU**

CLEAR REVIEW OF RESULTS ON A LARGE SCREEN

ADVANCED ANALYSIS WITH PULSE WAVEFORMS

SHARE FOR A SECOND OPINION



2-IN-1 THERMOMETER

SpO2, HEART RATE

WIRELESS & PORTABLE

SAVE DIRECTLY INTO EHR



Why MESI mTABLET VITALS?

VITAL SIGNS PARAMETERS MEASURED ON ONE DEVICE

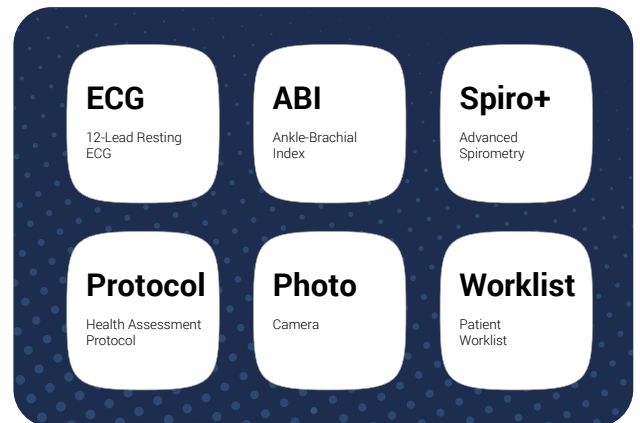
- > **Automated blood pressure, SpO2 and temperature.** Contactless and contact (oral, rectal, axillary) thermometer
- > Easy manual entry of **respiratory rate, pain and ACVPU**
- > Automated **MEWS, NEWS2 S1 and S2 Early Warning Score** calculation with warnings

CONNECTIVITY

- > **Less administration** with immediate storing into the patient's digital file
- > **Reduced human and clerical errors** due to automated data entry

Enhanced diagnostic potential

The **MESI mTABLET VITALS** is not only an advanced spot checking device. You can also expand it with other diagnostic tools (e.g. 12-lead resting ECG, spirometry, ABI, Photo app for wound management) for streamlined assessment at one or different departments. By adding the Protocol app, you can build protocols in 5 minutes for maintaining high-quality, standardised patient care.



MESI mTABLET Trolley

Mobile storage for your wireless devices

- > **Secure storage and complete mobility** of the whole MESI mTABLET system
- > Adaptable to the scope of the individual's use, with the option to **customise the tray configuration**
- > **Simultaneous charging of all modules**, while providing enough space for all accessories and a printer
- > Upgradeable with an **automated ECG vacuum electrode system**

MESI mTABLET
CHARGING STATION SHELF



ECG VACUUM
ELECTRODE SYSTEM



GENERAL SHELF



The power of **Integrated Diagnostics**

> **Integrated Diagnostics,**

powered by the MESI mTABLET, replaces fragmented tools with a single system that simplifies steps of the diagnostic journey.

> **Integrated diagnostic modules**

All vital assessments – ABI, ECG, Spirometry, Vital signs and more – wirelessly connected and managed through a single platform.

> **Integrated with electronic health records**

Results are instantly stored in the patient records; no transcription, no delays, no risk of errors.

> **Integrated into clinical workflows**

Each measurement is performed faster and more efficiently, with minimal setup and a unified user experience.

> **Integrated for seamless collaboration**

Enables sharing of diagnostic results with colleagues, specialists, or remote care teams - securely and instantly. The result? Simplified and more standardized workflows. Less manual transcription. More time for patients.

> **All in one portable system,**

built for use anytime, anywhere - from general practice to specialist clinics.



Simplifying Diagnostics

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European production
and development



EU Medical Device
Regulations compliant



ISO 9001, ISO 27001
and ISO 13485



MDSAP
compliant

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