flexible

USB

mobile

PWA

Ambulatory Blood Pressure Monitor

NIBP-UP

PHYSIO-PORT AS
with PWA Analysis

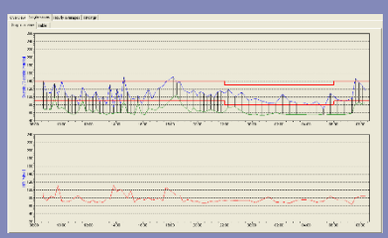


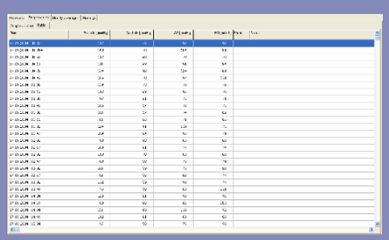
MESA

PHYSIO-PORT AS ABPM System with Integrated Upward Measurement and PWA Analysis. The PHYSIO-PORT AS is a compact and portable blood pressure monitor designed for long-term, noninvasive blood pressure monitoring in adults, children, and infants. The PHYSIO-PORT AS can record blood pressure measurements at various intervals for up to 48 hours (400 readings) and store the results. Four different measurement programs are available. With the additional PWA module for pulse wave analysis integrated into the device, it is possible to perform not only long-term blood pressure monitoring but also noninvasive assessment of central blood pressure (e.g. systolic and diastolic values), pulse wave velocity (PWV) and vascular condition (arterial stiffness).

Thanks to the oscillometric operating principle of the PHYSIO-PORTAS recorder, there is no need for microphones or electrodes.The very short measurement process (approx. 15 seconds) by the newly integrated upward measurement technology and ergonomic design and the recorder's very light weight ensure a high level of comfort for the patient combined with the most accurate measurement results. The additional PHYSIO-PORT AS model for pulse wave analysis measures not only long-term blood pressure over a 15-second period but also central blood pressure and vascular status (augmentation pressure, augmentation index, pulse wave velocity, stiffness index) in combination with a blood pressure monitor.The intuitive WINDOWS™ analysis software for the PHYSIO-PORT AS simplifies daily work with the system with its easy recorder programming and fast, secure data transfer.Translated with DeepL.com (free version)







Large-scaled graphics and analytical functions are offered by the PHYSIO-PORT-WiINDOWS™ documentation Software, are optimizing the data processing and performing a profound evaluation of the results, reliable diagnosis and therapy control.Additionally to the diagram of curves for Systole, Diastole, a PWA Analysis (Central Blood Pressure (cBP) and Pulse Wave Velocity (PWV) with values and results detected can be documented numerically in form of tables. The USB interface connecting cable enables easy installation and access to EDP systems within the medical environment.

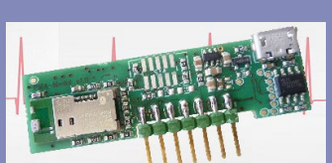
Measurement

Measuring method	Oscillometric
Measuring time	About 15 s
Data retention	Unlimited
Measurement-Interval	2 – 90 min, programmable
Capacity	400 measurements up to 48 h

PWA module

Central Blood Pressure (cBP)
and Vascular Condition
(Arterial Stiffness)
100 measurements

Picture of integrated PWA module



Measuring range

Systolic	60 – 260 mmHg
Diastolic	40 – 220 mmHg
Heart rate (HR)	35 – 240 beats per minute

Display

Patient-Display	LCD (measurement results, error codes)
Control panel	Keyboard (Start/Stop, Day/Night, Info)

NIBP-Cuff

Connection	Metal-Notch-Connector
Size	Different sizes available
Max. cuff pressure	300 mmHg maximal

Miscellaneous

Dimensions (h x w x d)	10,5 cm x 8,0 cm x 2,7 cm
Weight	225 g (with batteries)
Power supply	2 size AA alkaline batteries or 2 size AA NiMH rechargeable batteries (type Mingnon AA/1500mAh)

PC requirements

Operating system	WINDOWS™ 11	HDD	500 GB
CPU	Intel Core I / Ultra	Interfaces	USB-Port
RAM	4 GB RAM, recom. 8 GB RAM		

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Our products are up from development to manufacturing subject to a certified Quality Management System in accordance to the EN ISO 13485:2016 directives. All products are CE marked.

The illustrations within this brochure show some optional features. All information represents the technical product status at date of printing. Changes due to technical advancements are subject to modifications and amendment (Rev. A01-2026).