

Technical Data Mobil-O-Graph®

The intended use is 24h ambulatory blood pressure Monitoring. Optionally, a office pulse wave analysis with a PWA-Dongle is possible. The values are analysed by the accompanying HMS-CS software.

General Performance

Measurement Oscillometric principle

24h ambulatory blood pressure monitoring

Advanced comfort First measurement: step-up / step-down technology

Up second measurement: Auto-Feedback-Logic - AF®

(significantly better night sleep and comfort for the patients through

individualized cuff inflation algorithm*1)

Practice PWA option Via license dongle upgrade (100-1000 or unlimited)

Communication Bluetooth, USB-connector, Infrared, Serial RS232

Measurement area Systolic (SYS): 60 - 290 [mmHg]

Diastolic (DIA): 30 - 195 [mmHg] Pulse (Pulse): 30 - 240 [1/min]

Pressure range 0 - 300 mmHg

Accuracy ± 3 mmHg (Static pressure)

Leckage System: ≤ 6 mmHg / min • Cuff: ≤ 4 mmHg / min

Measurement protocols 4x free variable day- and night interval

Measurements per hour 0, 1, 2, 3, 4, 5, 6, 10, 12, 15, 20 or 30

Option: Auto telemetric transfer of BPM via Bluetooth

Automatic re-measurement A measurement error causes an automatic repetition of measurements

after 3 minutes

Power supply 2x AA NiMH 1,2 V and min. 1700 mAh (HR6)

2x AA Alkaline 1,5V (LR6)

Operation and control Display: LCD / Acoustic: Beeper /

Panel: 4 Multifunction buttons

Memory 300 measurements

Battery capacity >300 measurements with M-Cuff and high-grade batteries

Operation temperature +10°C - +40°C

Operation humidity 15% - 90%

Storage temperature -20°C - +50°C

Storage humidity 15% - 95%

Weight ca. 240g (incl. batteries)

Dimensions L 128mm x W 75mm x H 30mm



Wireless Performance

- Bluetooth 2.0 +EDR, Class 1 (Internal antenna) Bluegiga WT11i
- Range up to 100 meter
- Supported Bluetooth Profiles: SPP / DUN / IEM-1234
- Data transfer identification: Serial number
- Communications: BT-Terminal

Cuff Sizes

- XS: 14 20cm
- S: 20 24cm
- M: 24 32 cm
- L: 32 38 cm
- XL: 38 55 cm

Applicable Standards & Directives

- Directive 93/42/EEC Class IIa, Annex IX, rule 10,
- Directive 2014/53/EU) / FCC (Part 15)
- Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Note

Use only high-quality batteries. If using less efficient batteries we cannot guarantee the operating time specified above. Using batteries of poor quality can reduce operating time to 50%.

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^{*1} Convenience of ambulatory blood pressure monitoring: Comparison of different devices BPMJ 2005, Vol 10 No 10:239-242