

Lead a
good life

Blood Pressure | Blood Sugar 2011

BPBS 2011: HIGH-END ON-THE-GO DIAGNOSTICS



Lead a Good Life Blood Pressure Blood Sugar 2011 (BPBS) enables patients and physicians to measure the important **vital signs blood sugar and blood pressure** the easiest way possible. For measuring blood pressure, just slide your arm through the cuff and have it inflated at the push of a button. For blood sugar measurements, just insert the test strip into the BPBS and apply a small drop of blood ($> 0.5 \mu\text{l}$) to the sample side of the strip. Measured values are displayed within five seconds and can be transmitted to a PC via USB or sent to any desired recipient by mobile network.

Upon purchase, users are provided with all accessories needed to immediately perform vital sign measurements.

TARGET GROUPS

- Patients with cardiovascular diseases
- Diabetics
- Health-conscious people
- Family doctors (mobile diagnostics for home appointments)
- Fitness coaches

SAFE DATA COMMUNICATION BY MOBILE NETWORK



As another unique feature, BPBS can transfer the measured data **via mobile network** through an **integrated SIM card**. A **highly secure 128-Bit AES encryption**

guarantees maximum data safety. The low volume of the communicated data (one measurement generates a data volume of only 393 bytes) allows for low transfer costs and fast data transmission.

BLOOD GLUCOSE MEASUREMENT

- No-coding
- Required blood volume 0.5 μL
- Measurement displayed after 5 seconds, measurement method GOD
- Strip ejection
- Measurement unit: mg/dl
- Linear range: 20-600 mg/dL
- Precision: $\pm 5\%$
- Accuracy: ± 15 mg/dl when glucose < 75 mg/dl, $\pm 20\%$ when glucose is ≥ 75 mg/dl
- Ketone warning: glucose over 240 mg/dl

BLOOD PRESSURE MEASUREMENT

- Measurement unit: mmHg
- Pressure range: 0-300 mmHg
- Heart rate range: 40-199 beats per minute
- Systolic measurement range: 55 mmHg-255 mmHg
- Diastolic measurement range: 25 mmHg-195 mmHg
- Maximum inflation pressure: 280 mmHg
- Accuracy of pressure: ± 3 mmHg or $\pm 2\%$ of reading
- Accuracy of pulse rate: $\pm 4\%$ of reading

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CERTIFIED DIAGNOSTICS

BPBS 2011 has been tested to meet the electrical and safety requirements of:

- CE 0123 - TÜV Süd
- ISO 13485:2003
- EN ISO 13485:2003/AC:2007
- ESH 2010
- EN 301 489-17
- EN 300 328
- IEC/EN 60601-1
- IEC/EN 60601-1-2
- IEC/EN 61010-1
- IEC/EN 61010-2-101
- IEC/EN 61326-2-6

BPBS VERSIONS

BPBS 2011 is available in three versions:



BPBS with GSM connectivity



BPBS with Bluetooth connectivity



BPBS with Continua-certified Bluetooth connectivity

GENERAL FEATURES

- Dimension & weight (monitor without cuff): 14,7 cm x 10,5 cm x 8 cm
- Weight: 500 g
- Power source: provided accu pack or 4 conventional AA batteries or 6 V DC power cord
- Memory: 864 measurement results with date and time
- Auto electrode inserting detection
- Auto sample loading detection
- Auto reaction time count-down
- Voice output (optional)
- Auto turn-off if system is idle for 3 minutes (normal mode) or 5 minutes (RF mode)
- System operating condition: 10°C-40°C below 85% RH
- Monitor storage condition: -20°C-60°C, 5-95% RH
- Data transmitted in different formats (e.g., CSV, HL7 v2.5 and 3.0)
- Communication: USB, Bluetooth or mobile network (128-Bit AES encryption)

PROVIDED ACCESSORIES

- Lancet device and lancets
- Test strips and calibration solution
- USB cable
- Accu pack & power cord
- Bag

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