

Document number: BP-24-10

Released Date: 2024.08.05

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Recipient: Sales team, CS team, Overseas branches and subsidiaries / Blood Pressure Monitor Department

Reference: Quality Management Team, Manufacturing Technology Team, Manufacturing Team

Title: BPBIO750 CE4th Main Program Chnage

1. We much appreciate the hard work from branches and subsidiaries.

2. Notification Purpose

The main program of BPBIO750 CE4th has been updated to version 0139.

3. Change Classification



1) Pressure Rate and Start Pressure Changes

- ① Rapid pressurization up to 30mmHg followed by stopping at 30mmHg has been improved.
- ② Pressure now increases slowly from 0 to 25mmHg, and the start pressure has been changed from the previous 30mmHg to 25mmHg.

Previous start pressure	30mmHg
Changed start pressure	25mmHg

2) Blood pressure range settings

- ① The program has been modified to display values within the following ranges if they fall outside these limits.

SBP	60~265mmHg
DBP	30~215mmHg
PULSE	30~240bpm

※ Exception: If SBP is over 100mmHg, DBP will be at least 40mmHg.

3) Additional Measurement Warnings

: A screen notification will alert the user if the measured values are too low or if the pressure becomes too high during measurement.

① When Measured Values Are Too Low

- If the measured SBP is less than 70mmHg, "70" will blink on the screen three times, and re-measurement will proceed.
- If the measured DBP is less than 40mmHg, "40" will blink on the screen three times, and re-measurement will proceed.

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② When Pressure Exceeds 200mmHg

- If movement or noise is detected above 100mmHg and pressure exceeds 200mmHg, proceeding measurement stops and "200" blinks for 10 seconds before returning to standby mode.
- If the start button is pressed during "200" blinking or measurement is restarted within 1 minute, the measurement will proceed even if there is movement or the pressure exceeds 200mmHg.

4) Blood Pressure Signal Storage for Defective Cases

- ① Blood pressure signals are stored when error code 60~70 or warning code 91~97 occur.
- ② Not used for general purposes, only for defect analysis.
- ③ CS will request this data if needed.

5) Pressure Sensor Calibration for Temperature Changes

- ① Previously, the pressure sensor zero-point calibration was only performed at initial power-up.
- ② To account for temperature changes, the zero-point calibration of the pressure sensor will now be performed every 30 minutes in standby mode.

4. Measures

- We request an upgrade for products shipped to overseas branches and subsidiaries if the program version is lower than the current distribution version.

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