

# Quick Reference Guide

## Midmark® Digital Vital Signs Device

- 01 Start** the Midmark Digital Vital Signs Device by pressing the grey On/Off button on the front of the device.
- 02 Properly position** the patient. **Apply** the correct size blood pressure cuff to the patient's arm.  
*Please refer to the Procedural Hints on the back side of this guide for more information.*
- 03 Press** the appropriate blood pressure inflation rate button to start a blood pressure measurement.
- 04 Attach** the optional SpO<sub>2</sub> sensor to the patient.  
(Test will begin automatically.)  
*Do not apply the SpO<sub>2</sub> sensor to same arm as the blood pressure cuff.*
- 05 Place** the temperature probe flush in the center of the patient's forehead. Keeping button depressed, slowly slide probe mid-line across forehead to the hair line.
- 06 While** still keeping button depressed, **lift** temperature probe from forehead, **touch** behind ear halfway down the mastoid process and **slide** down to the soft depression behind the earlobe. Release button to complete.
- 07 If** a digital scale is connected, **position** the patient on the scale for automatic capture of weight data.
- 08 Manually** enter weight (unless captured digitally), height and respiration rate by pressing the respective buttons on the main testing screen. (BMI will be calculated when both weight and height data are entered.)
- 09 Select** the appropriate pain score by pressing the corresponding number on the screen and **press** Save.
- 10 Enter** patient ID number and **press** Save. **Press** Close to return to the main testing screen.



For further details and troubleshooting tips, please scan the QR code to access the Midmark Digital Vital Signs Device Operation Manual from the online Technical Library at [technicallibrary.midmark.com](http://technicallibrary.midmark.com). The operation manual opens as an Adobe® Acrobat® PDF file. Adobe Acrobat Reader® can be downloaded free on the Internet, if not already installed.

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# Procedural Hints

## Blood Pressure<sup>1</sup>

- Patient should be seated quietly with both feet flat on the floor and back supported.
- Patient should rest for 2-3 minutes prior to blood pressure measurement.
- Cuff should be the proper size for the patient and not placed over clothing.
- Cuff should be positioned 1" above the elbow for upper arm measurement.
- Clinician and patient should not talk during blood pressure measurement.
- Patient's arm should be supported with cuff at heart level. Patient's arm should be relaxed and kept still during the measurement.

## SpO<sub>2</sub>

- Choose the proper sized SpO<sub>2</sub> sensor and apply to the patient's digit.
- Preferred digit is the index finger.
- When properly placed, the sensor cable should extend along the top of the patient's hand.
- Do not apply the sensor to the same arm as the blood pressure cuff.

## Source

<sup>1</sup> <https://targetbp.org/wp-content/uploads/2017/02/Measuring-blood-pressure-new.pdf>

<sup>2</sup> <https://www.exergen.com/s>

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## Temperature<sup>2</sup>

- Measure straight across the forehead and not down the side of the face. At mid-line, the temporal artery is about 2 mm below the surface, but can be deeply below the surface on the side of the face.
- Brush the hair and bangs aside if covering the area to be measured.
- The temporal artery temperature measured by the Exergen<sup>®</sup> TemporalScanner<sup>®</sup> is considered a core temperature and as accurate as a rectal temperature on a stable patient. Note: Rectal temperature is about 0.8° F (0.4° C) higher than an oral temperature. Apply the same protocol you would use for a rectal temperature.