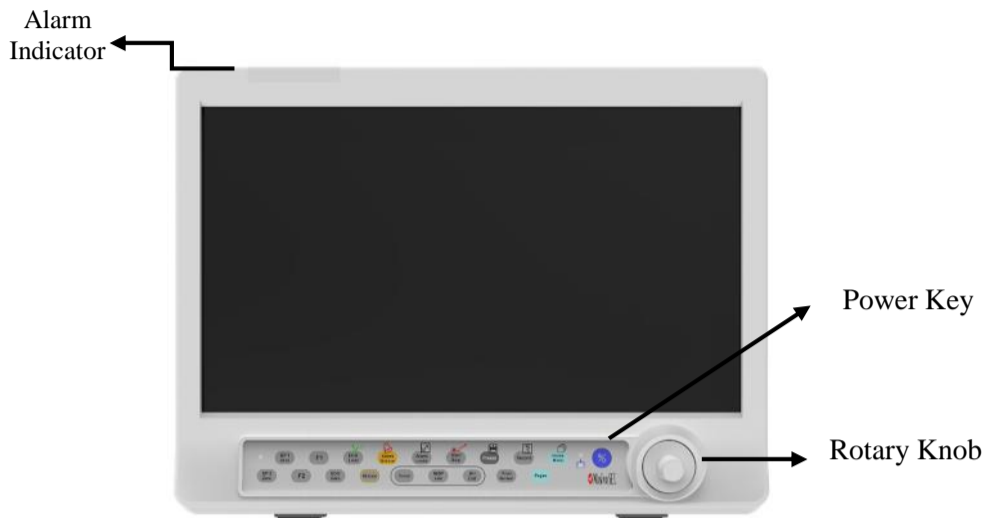# Quick Reference Guide of Alborz B9 monitor

⚠️ **For more information about the device, please refer to the User Manual.**

⚠️ **This guide is provided for medical professionals who are knowledgeable about the device function (and its accessories). The professionals are expected to study User Manual beforehand.**

Alarm Indicator

Power Key

Rotary Knob

ECG Monitoring

Patient Preparation

1. Prepare the patient's skin prior to electrodes placement.
2. Put the electrodes on the patient body. Before attachment, apply some conductive gel on the patient's skin if the electrodes are not self-supplied with electrolyte.
3. Attach clip or snap to electrodes prior to placement.

ECG Lead

1. Press the **ECG Lead** key and select an ECG lead. **Lead II** is often a good choice.

ECG Gain

- Press **ECG Gain** key to adjust the size of ECG waveforms. Available options are: **×0.25, ×0.5, ×1, ×2, ×4 and AUTO.**

Changing HR Source

- Click on **ECG** parameter to open **ECG WINDOW**. Choose your desired **HR SOURCE** in this window.

Displaying Arr List Data

- Press **Arr List** key to view the list of arrhythmia events.

SpO2 Monitoring

1. Click on **SpO2** parameter to open **SpO2 WINDOW**. Select **SpO2 SENSITIVITY MODE.** Available options are **APOD, MAX** and **NORMAL**.
2. Attach the sensor to the appropriate site of the patient finger.
3. Plug the connector of the sensor extension cable into the SpO2 socket on the left side of the device.
4. Make sure the nail covers the light window.
5. The wire should rest on the top of the hand.

NIBP Monitoring

1. Connect the air hose to the system.
2. Select an appropriate cuff size for the patient, and then wrap it around the limb directly over the patient's skin.
3. Press the **Start/Stop** key.
4. The patient should not talk or move during the measurement.

NIBP Settings

- Open **NIBP WINDOW** and change the NIBP settings through this window.

IBP Zeroing

BP 1 Zero

BP 2 Zero

1. Connect patient catheter to the pressure line, making sure that there is no air bubbles in the catheter or pressure line.
2. Click on **IBP** parameter to open **IBP WINDOW.** Select your desired label in this window.
3. Select the measurement unit. (Options: mmHg, Kpa, cmH2O)
4. The transducer should be placed at the same level with the patient's heart.
5. Turn off the patient stopcock.
6. The transducer must be vented to atmospheric pressure.
7. Press **IBP ZERO** key to start zeroing procedure.
8. Turn on stopcock to patient on and the other stopcock to atmospheric pressure off.

TEMP Monitoring

1. Click on **TEMP** parameter to open **TEMP WINDOW**.
2. Select your desired measurement unit. (options: ºC or ºF)
3. Plug **TEMP** probe directly into the monitor.
4. Attach **TEMP** probe to the patient and Switch on the system.

Admitting a new patient

Caution: Before monitoring, verify that appropriate patient mode has been selected. Patient mode (Adult,Neonate,Pediatric)

1. Press **Home Menu** key and choose **Patient Information** from **Home Window**.
2. Select **NEW** to enter new patient information.
3. Select **YES** to clear data of the previous patient.
4. Enter new patient information and start measurement.

Battery indicator

- **Green**: about 90% charged.
- **Orange**: charging.
- **Flashing Green**: battery or fuse failure

Apnea Alarm Configuration

Resp Apnea Alarm Configuration

1. Attach ECG leads to the patient.
2. Make sure that the Respiration waveform is displayed.
3. Click on **RESP** parameter to open **RESP WINDOW**.
4. Select **APNEA LIMIT** from the **RESP WINDOW.** Turn the rotary switch to adjust the alarm limit, and then press it down.
5. If necessary, readjust the APNEA threshold after GAIN setting.

AWRR Apnea Alarm Configuring

1. Make sure that the CO2 waveform is displayed.
2. Click on **CO2** parameter to open **CO2 WINDOW** and choose **ALARM**.
3. Select **APNEA LIMIT** from the **CO2 ALARM WINDOW.** Turn the rotary switch to adjust the alarm limit, and then press it down.
4. Connect Sampling line to patient. Connect the CO2 sampling line to the patient.

Alarm Configuration

Alarm Limit

1. Press **Alarm Limits** key or select **Alarm** from **Home Menu** to set the alarm limits of different parameters.
2. Set the alarm limits
3. Set the Alarm Volume. It ranges from 1 to 7.

Alarm Silence

1. Press **Alarm Silence** key to disable the alarm sound for **120 seconds**.
2. Press it again to exit from the silence mode and enable the alarm sound .

Displaying Trend Data

1. Press **Trend** key.
2. Select your desired parameter to view its Trend data.

Recorder

1. Insert a new roll of paper.
2. Close the recorder door.
3. Press **Record** key.