

Acumen IQ™ Plus Cuff on HemoSphere Alta™ Monitor

Setup Guide

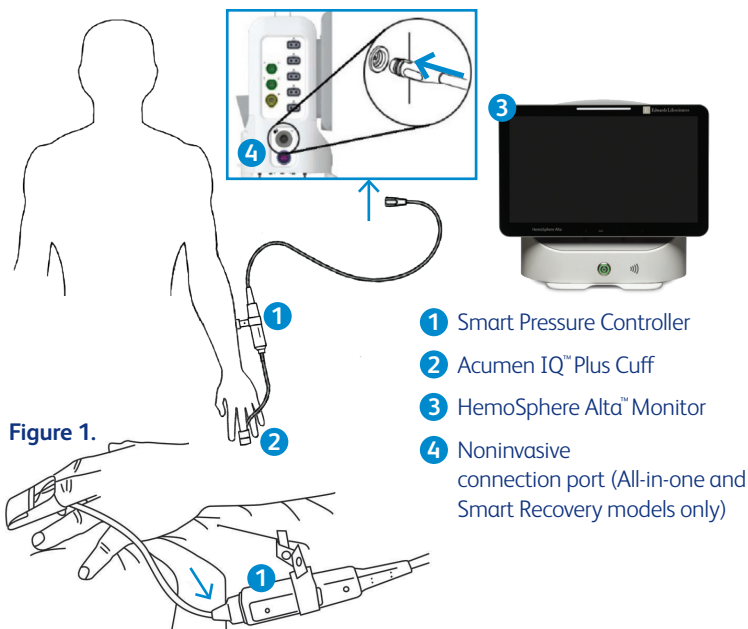


Figure 1.

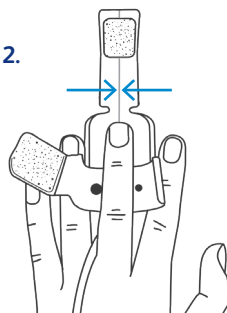
Connecting the Noninvasive System

HemoSphere Alta™ Monitor (3) with Smart Pressure Controller (1) and Acumen IQ™ Plus Cuff (2) enables noninvasive measurement of a patient's arterial pressure waveform and calculation of continuous cardiac output (CO) and associated hemodynamic parameters.

- 1 Connect the Smart Pressure Controller (1) to the HemoSphere Alta™ Monitor Smart Pressure Controller connection port (4), attaching the noninvasive clip to the patient's sleeve or bed (Figure 1).

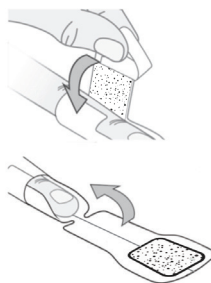
2 Open the cuff and place the finger on the gray line (Figure 2), with the cuff centered between the second and third knuckles; cuff is not intended to be placed on the thumb, small finger, or previously fractured fingers.

Figure 2.



3 Allow the finger cuff to close around the finger. Ensure that the finger cuff does not rotate. Secure the finger cuff using its attached fastener. Then, fasten the distal end of the alignment tab to the top of the cuff (Figure 3).

Figure 3.

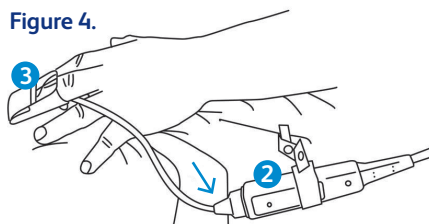


4 Gently lead the finger cuff cable between the two fingers to the back side of the hand (Figure 4).

5 Connect the finger cuff cable ③ to the Smart Pressure Controller (Figure 4).

② Once connected, a green light will become visible near the cuff connection.

Figure 4.



6 Touch the **Start Cuff** icon  on the navigation bar or on setup help screen to begin monitoring.

7 Touch the **Stop Cuff** icon  on the navigation bar to end monitoring at any time.

Send Output Signal to Patient Monitor

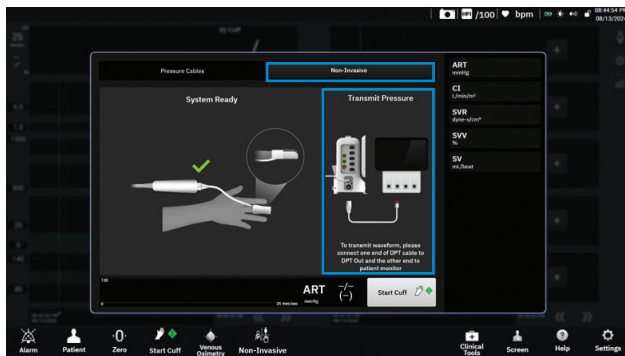
The zero pressure settings page provides the user with the option to send the arterial waveform signal to a bedside patient monitor on the **Patient Monitor** tab (Figure 2).

- 1 Touch the navigation bar **Zero** icon  → **noninvasive** tab (Figure 2).
- 2 Plug a compatible pressure-out disposable pressure transducer (DPT) cable into the left panel of the monitor at the pressure-out port. The pressure-out port is located below the HemoSphere Alta™ Monitor Smart Pressure Controller connection port (Figure 1).
- 3 Connect the other end of the DPT cable to the compatible patient monitor. Ensure that the selected connector is fully engaged. Refer to the patient monitor instructions for use.

Figure 1.



Figure 2.



- 4 Zero the patient monitor and confirm 0 mmHg is displayed (Figure 3-A).
- 5 Toggle the switch from **Zero** to **Waveform** on the **Transmit Pressure** panel of the HemoSphere Alta™ Monitor zero screen (Figure 3-B).
- 6 A “**Sending waveform**” as shown in Figure 3-B message will be displayed when the live waveform is being transmitted to the connected patient monitor (Figure 3-B).

Figure 3-A.

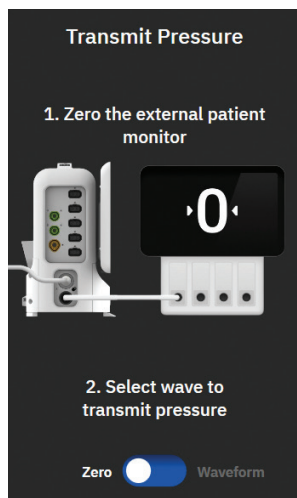
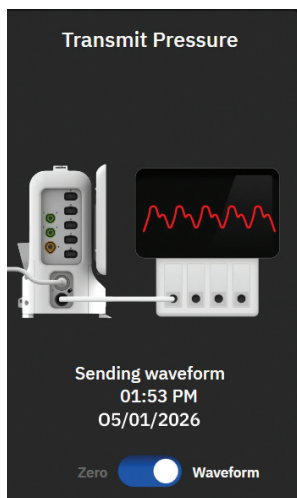


Figure 3-B.



CAUTION: Federal (United States) law restricts these devices to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events.

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