1. Turn on monitor and connect the HemoSphere pressure cable to the HemoSphere monitoring platform.

2. Select language if prompted, then enter patient demographics.

3. Select **minimally-invasive** technology then select **Start Monitoring**.

4. Open the Acumen IQ sensor packaging and inspect contents. Replace all caps with non-vented caps and ensure that all connections are tight.

5. With gravity only (no pressure in pressure bag), flush the Acumen IQ sensor holding pressure tubing in upright position as the column of fluid raises through the tubing, pushing air out of the pressure tubing until the fluid reaches the end of the tubing.

6. Ensure air has been removed from the I.V. bag. To prime the I.V. bag and the Acumen IQ sensor: Insert I.V. bag into the pressure bag and hang on I.V. pole (do not inflate).

7. Mount the Acumen IQ sensor on an IV pole using the appropriate holder.
7. Plug green connector from Acumen IQ sensor to HemoSphere pressure cable.

8. Plug red connector from Acumen IQ sensor to bedside cable.

9. Level the Acumen IQ sensor to the phlebostatic axis. **Note: It is important to keep the Acumen IQ sensor level to the phlebostatic axis at all times to ensure accuracy of cardiac output.**

10. To zero, turn stopcock off to the patient and open to air:
   1. Hold down zero button on the pressure cable to pull up zero screen.
   2. Hold down zero button until a tone is heard to complete zeroing.

   or

   Zeroing can also be completed by selecting the **Quick Zero** button to pull up the zero screen, then select **Zero**.