

HemoSphere Advanced Monitor Pressure Cable for Acumen IQ Sensor / FloTrac Sensor / TruWave Transducer

Competency checklist

Name: _____

Unit: _____

Date: _____



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Education



YouTube
channel
for video
instructions

Critical elements

Pressure cable setup

	Met	Not met
Plug the HemoSphere power cord to a hospital grade power outlet.	<input type="checkbox"/>	<input type="checkbox"/>
Connect monitor connection end of the HemoSphere pressure cable to the HemoSphere advanced monitor.	<input type="checkbox"/>	<input type="checkbox"/>
Press the power button on the front of the monitor to power on the HemoSphere advanced monitor. All entries and selections are accessible via the monitor touch screen.	<input type="checkbox"/>	<input type="checkbox"/>
Once prompted, select either the "New Patient" button and enter patient data or the "Continue Same Patient" button. Then select "Next."	<input type="checkbox"/>	<input type="checkbox"/>
Select the "Minimally-Invasive" monitoring mode button on the monitoring mode selection window (entry will be illuminated in blue) and touch "Start Monitoring" to proceed. The "Zero & Waveform" screen will appear.	<input type="checkbox"/>	<input type="checkbox"/>
Follow all instructions found in pressure monitoring catheter IFU for catheter preparation and insertion procedures.	<input type="checkbox"/>	<input type="checkbox"/>
Connect the primed pressure sensor to the HemoSphere pressure cable, once connected the LED that surrounds the zero button on the pressure cable will stop blinking and turn off once zeroing is completed successfully.	<input type="checkbox"/>	<input type="checkbox"/>



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Zero pressure cable	Met	Not met
Touch the “Zero & Waveform” icon located on the navigation bar or through the “Clinical Tools” menu. You can also press the physical “zero” button directly on the pressure cable.	<input type="checkbox"/>	<input type="checkbox"/>
Select the type/location of pressure sensor being used next to the displayed port of the connected HemoSphere pressure cable; ART, CVP, PAP. – Note: If an Acumen IQ or FloTrac sensor is connected, ART is the only available pressure option and is automatically selected.	<input type="checkbox"/>	<input type="checkbox"/>
Level the stopcock valve to the patient’s phlebostatic axis position according to the instructions for use.	<input type="checkbox"/>	<input type="checkbox"/>
Open the stopcock valve to measure atmospheric pressure.	<input type="checkbox"/>	<input type="checkbox"/>
Press and hold the physical zero button directly on the pressure cable or touch the “zero” button located on the screen; when zeroing is complete, a tone sounds, and the message “Zeroed” appears with the time and date. The zero button LED will stop blinking and will no longer be illuminated once zeroing is completed successfully.	<input type="checkbox"/>	<input type="checkbox"/>
Confirm stable zero pressure and turn stopcock such that sensor is reading patient intravascular pressure.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the “Home” icon to begin monitoring.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the settings icon, “Select Screens” tab, and select the desired monitoring screen view.	<input type="checkbox"/>	<input type="checkbox"/>
Tap a parameter’s name on any available tile to customize the viewing screen with your desired parameter. Select the home icon to apply selection and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>
Tap the parameter’s number on any available tile to adjust alarms/targets. Select the home icon to apply settings and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>

Dual pressure cable setup for systemic vascular resistance (SVR) using an Acumen IQ or FloTrac sensor paired with TruWave pressure transducer

Note: When an Acumen IQ or FloTrac sensor is paired with the patient’s central venous pressure (CVP), systemic vascular resistance (SVR) and systemic vascular resistance index (SVRI) are also available. A second HemoSphere pressure cable can be used to connect a TruWave pressure transducer to provide location-based intravascular pressure.

	Met	Not met
Connect monitor connection end of the second pressure cable to the HemoSphere advanced monitor.	<input type="checkbox"/>	<input type="checkbox"/>
Follow all instructions found in pressure monitoring catheter IFU for catheter preparation and insertion procedures.	<input type="checkbox"/>	<input type="checkbox"/>
Connect a primed TruWave pressure transducer to the second HemoSphere pressure cable, once connected the LED that surrounds the zero button on the pressure cable will flash green indicating that the pressure sensor is detected.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the “Zero & Waveform” icon located on the navigation bar or through the “Clinical Tools” menu. You can also press the physical “zero” button directly on the pressure cable.	<input type="checkbox"/>	<input type="checkbox"/>
Select the “CVP” option of pressure sensor being used next to the displayed port of the connected HemoSphere pressure cable.	<input type="checkbox"/>	<input type="checkbox"/>

Dual pressure cable setup for systemic vascular resistance (SVR) using an Acumen IQ or FloTrac sensor paired with TruWave pressure transducer (continued)

	Met	Not met
Level the stopcock valve to the patient's phlebostatic axis position according to the instructions for use.	<input type="checkbox"/>	<input type="checkbox"/>
Open the stopcock valve to measure atmospheric pressure.	<input type="checkbox"/>	<input type="checkbox"/>
Press and hold the physical zero button directly on the pressure cable or touch the "zero" button located on the screen. When zeroing is complete, a tone sounds, and the message "Zeroed" appears with the time and date. The zero button LED will stop blinking and will no longer be illuminated once zeroing is completed successfully.	<input type="checkbox"/>	<input type="checkbox"/>
Confirm stable zero pressure and turn stopcock such that sensor is reading patient intravascular pressure.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the "Home" icon to begin monitoring.	<input type="checkbox"/>	<input type="checkbox"/>
If SVR is not a displayed parameter, tap any available tile parameter's name to select SVR as a desired parameter. Select the Home icon to apply selection and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>
Tap the number value within the SVR parameter tile to adjust alarms/targets. Select the home icon to apply settings and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>

Passed competency

Needs to repeat competency

Validated by: _____

Date: _____

CAUTION: Federal (United States) law restricts this device 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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