

CARDELL® Quick Reference Guide

Patient Connections for Multi-Parameter Monitors


Applies to Models:
Multi-Parameter Monitors
Language of origin: English

Note
Please refer to user guide for cleaning instructions.

ECG

Step 1: Connect clips.
 A) Inspect clips, leads and cable for any breaks.
 B) Connect the copper clips to the silver posts at the end of each lead wire.

Note: It is not necessary to clip hair over the lead site. If hair is thickly matted, only lightly clip. Avoid allowing the metal clips to contact conductive surfaces such as the table or other parts of the body. Copper clips can be bent back to reduce tension; alligator teeth can be filed /bent to a less-aggressive angle.

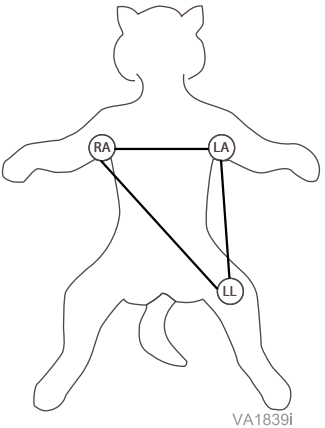
 **Equipment Alert**
 Prepare the lead sites with alcohol, then use the supplied electrode redux gel for better contact.

Step 2: Connect lead wires.
 A) Connect lead wire set to its corresponding color-coded receptacle on the ECG trunk cable.

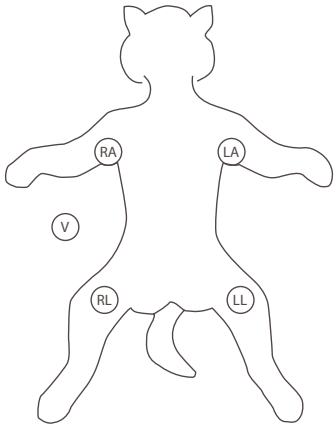
Step 3: Connect to monitor.
 A) Plug ECG trunk cable into receptacle on the side of the monitor.

Note: In ECG Menu, adjust ECG gain to increase or decrease height of wave form.

3 Lead Shown



5 Lead Shown



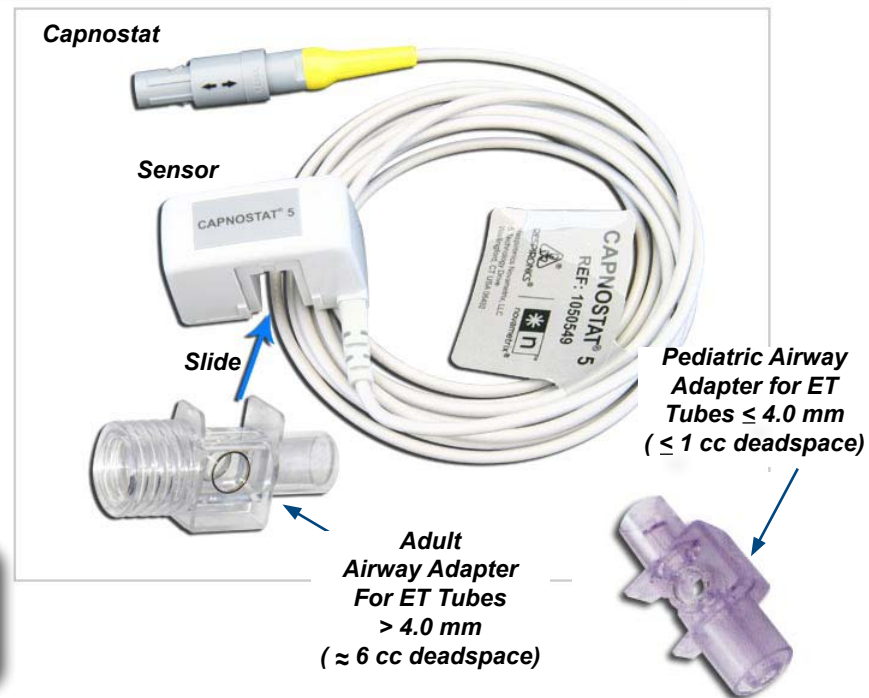
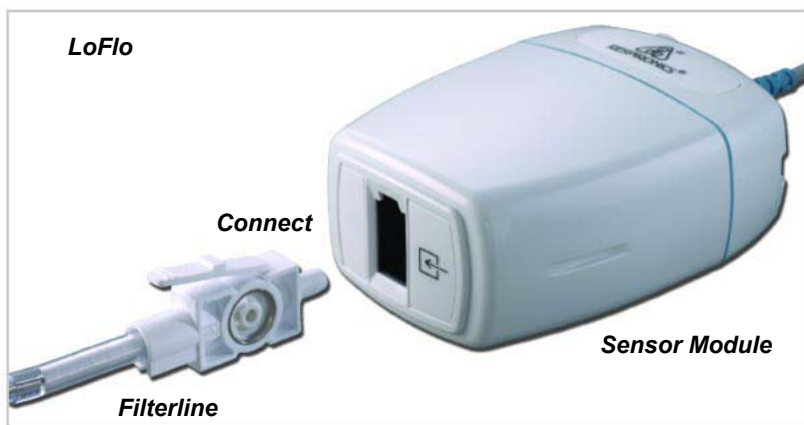
TP201 Rev. A

CO2

Connect CO2 sensor (Capnostat or LoFlo)...

- A) Insert the CO2 Module cable connector into the CO2 receptacle of the monitor. Click into place.
- B) Select the correct adapter / filterline to minimize dead space and snap into sensor.
- C) Install the airway adapter between the ET tube and the anesthesia patient hose. Verify fitting is secure and tight.
- D) Wait two minutes to allow the sensor/module to warm up.
- E) Remove the CO2 sensor from the monitor by grabbing the body portion of the connector and pulling back. Do not pull the cord.

Note: For LoFlo sidestream monitoring during anesthesia, use an exhaust tube to remove the sample gas to a scavenging system. Attach it to the sidestream module at the outlet port. LoFlo lines should be replaced after three to four months of use.



Caution

When evaluating CO2 measurement, any rise in inspired carbon dioxide values should be considered abnormal. This may indicate a problem with ET tube placement, re-breathing of CO2, depleted CO2 absorbent, etc.

Temperature

Connect temperature probe...

- A) Insert the temperature probe into the temperature socket on the side panel.
- B) Probe may be used in either the esophagus or the rectum of the patient.
- C) To avoid cross-contamination, label probe with tape indicating if it has been used for the esophagus or rectum.

Note: Monitor will display a stable reading in 10 seconds.



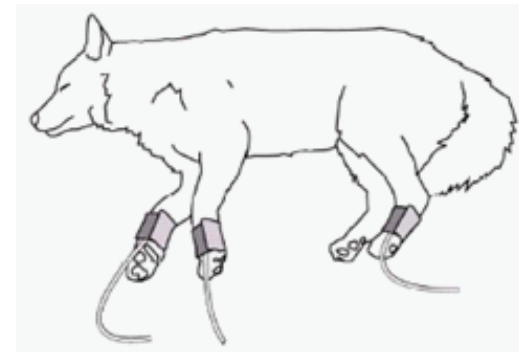
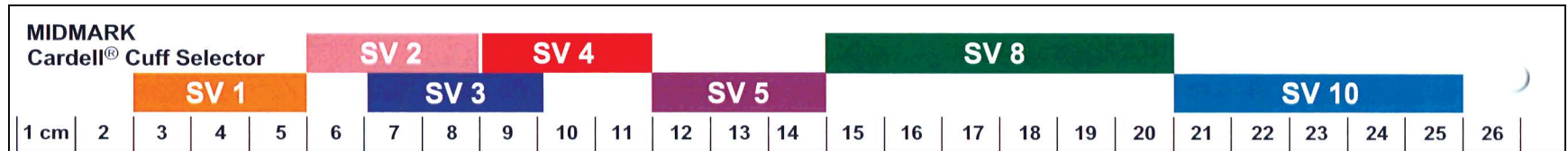
Blood Pressure

Connect blood pressure inflation hose...

- Connect black BP inflation hose to connector post on side of monitor.
- Determine cuff site and use Cardell Cuff Selector to choose proper cuff size.
- Connect cuff to inflation hose.
- Wrap cuff around patient's limb for a snug fit.

Note

Hair need not be clipped unless heavily matted.
 Ensure that cuff position is at the same plane as the heart.
 If velcro fails, cuff may be too small or velcro may be worn and cuff should be replaced.
 Using tape to secure cuff may result in inaccurate results.
 Never use cuff on the same limb where a catheter is placed, or on an injured limb.
 Do not use the tail site for monitoring BP under anesthesia.



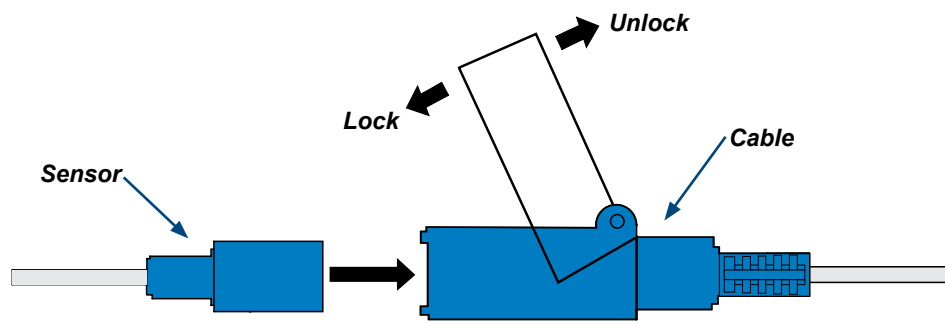
Note: Cats

For the median artery on the foreleg, place the cuff around the forelimb, between the elbow and carpus. In cats less than 5 pounds when measurements are difficult to obtain, place the cuff around the leg above the elbow to obtain measurements from the brachial artery.

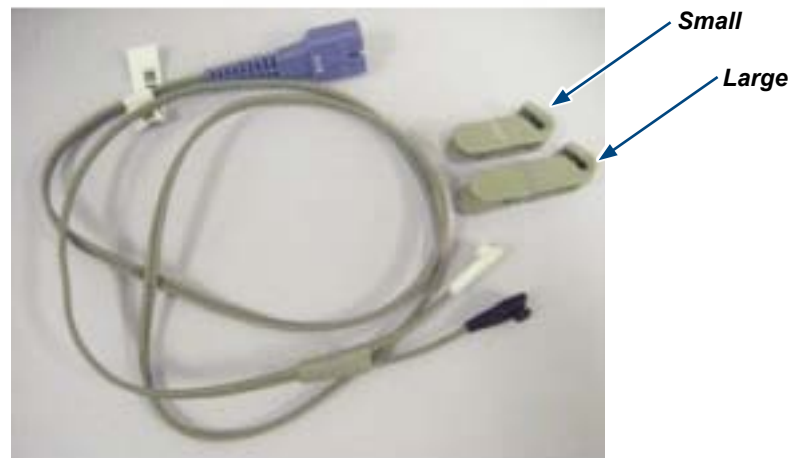
Note: Dogs

Most surgeries are done on the posterior part of the body so the metacarpal area of the forelimb is most convenient. In situations where this is not possible, the cuff should be wrapped around the hind leg just distal to the hock.

Sp02



VA18411



Connect Sp02 sensor..

- Select clip that is appropriate for the patient. There are two (2) sizes of VetSat veterinary sensor clips: Small and Large.
- Slide sensor into grooves of clip.
- Lift the clear plastic cover, plug the sensor into cable and close cover.
- Plug the cable into the Sp02 port on the side panel of the monitor and push until you hear a "click".

Note

In small patients, values may drop below 90% due to restriction of blood flow to the measuring site by the probe. Reposition the sensor periodically to avoid this problem. Use only a cuff/catheter-free extremity.


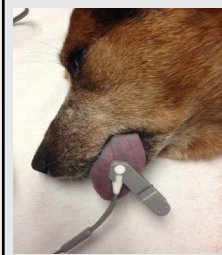
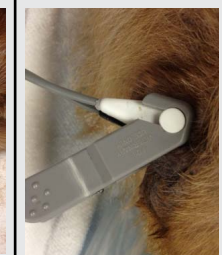
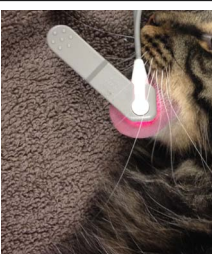
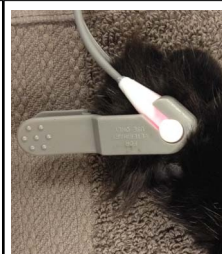
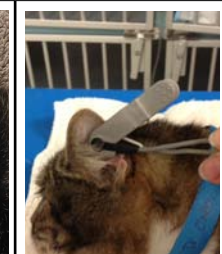
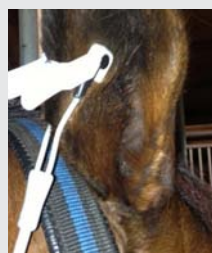
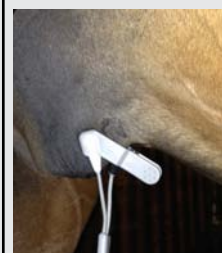
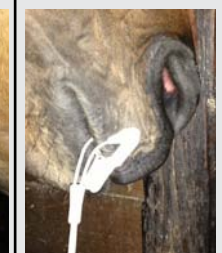
Cover site with opaque material (like blue surgical towels) to minimize interference from bright lights directed toward the patient.

If slippage occurs on the tongue, use one layer of gauze around the tongue and then replace the sensor.

For long term use, it is best to move sensor to new site every few hours to preserve tissue integrity.

Unclip the sensor for removal or before moving the patient.

Extend the life of the sensor by hanging it (not winding or wrapping) for storage.

			Canine Other Sites: <ul style="list-style-type: none"> • Paw • Ear • Prepuce
			Feline Other Sites: <ul style="list-style-type: none"> • Lip • Prepuce • Vulva
			Equine Other Sites: <ul style="list-style-type: none"> • Tongue • Vulva • Nostril