

## Kangaroo® 324 Feeding Pump

### Directions For Use

#### **NORMAL OPERATION**

Plug the pump into AC wall outlet

#### **BATTERY OPERATION**

Unplugging the pump from the AC line will automatically put the pump on battery power. To recharge the battery, plug the pump into an outlet. Pump will automatically begin charging.

#### **These general instructions are for inserting the Kendall Healthcare Pump Administration Sets into the Kangaroo 324 Feeding Pump.**

1. Fill the feeding bag prior to setting up the pump.
2. Close roller clamp on pump set.
3. Press “ON”
4. Wait while pump performs systems check.
5. Press “VOL” then “VOL/CLEAR” to clear volume.
6. When display reads 0, set rate by pressing increase button, “up” arrow or decrease button, “down” arrow.
7. Set dose, if desired by pressing “DOSE” button, then press appropriate arrow key to set desired dose. (NOTE: Setting the dose is not required to operate pump.)
8. Insert drip chamber into drip chamber guides.
9. Open roller clamp; fill entire line with fluid, close roller clamp.
10. Attach distal connector to feeding tube.
11. Grasp the silicone portion of tubing and gently stretch around the pumps rotor. Insert the pump set retainer disc into retainer lock on the pump. Thread the set’s tubing through tubing guide.
12. Open roller clamp, press “START/HOLD”. While pump is running, dots will flash across display.

#### **TO CHANGE RATE:**

1. Press “START/HOLD”.
2. Set new rate by pressing appropriate arrow keys on the front panel.
3. Press “START/HOLD”.

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## Troubleshooting Guide

Listed below are some of the probable causes of alarm conditions and their corrections.

Symptom	Probable Cause	Corrections
Flow Error Alarm (FLO Err)	<p>Feeding container is empty.</p> <p>Feeding tube or feeding set tubing is occluded.</p> <p>Drip chamber is improperly placed in pump. Drip chamber walls are coated with feeding formula.</p> <p>Sensors in upper drip chamber guide are blocked.</p>	<p>Refill feeding container. If bag has been in use for 24 hours, replace.</p> <p>Locate point of occlusion and correct. NOTE: occlusion may occur upstream or downstream from pump. Check to make sure roller clamp on feeding set tubing is open. Check the patency of feeding tube. Check to make sure drip chamber is properly “locked” in position in drip chamber guide. Check to make sure formula is not preventing detectors from proper operation. If formula cannot be removed from inside walls of chamber via chamber manipulation, replace set. Check to make sure detectors are free of dried formula. Remove any deposits by using a cotton swab dampened with warm soapy water.</p>
Low Battery Alarm (Lo BAT)	Battery has been run down below point of maintaining accuracy of pump.	Plug pump power cord into wall outlet.
Hold Error Alarm (Hld Err)	Pump has been left in the hold mode for over 2 ½ minutes.	Press “START/HOLD” to silence alarm, then press “START/HOLD” again to restart pump.
No Set (no SEt)	Pump set has been improperly placed onto pump.	Check to make sure only Kangaroo Pump Set has been placed onto the pump. Check to make sure that retainer clip on pump set has been properly positioned in retainer lock on pump.
System Error Alarm (SYS Err)	<p>Rotor is not turning while pump is running.</p> <p>Rotor is turning but is not detected by rotor sensors.</p>	<p>Return pump for technical service.</p> <p>Return pump for technical service.</p>
Dose Delivery Alarm (doSE deL)	Preset dose has been delivered to patient.	Repeat the dose amount by clearing the volume delivered; OR cancel the dose feature by pressing “DOSE” and pressing the down arrow until dose is cleared; OR to feed additional volume, increase the dose amount by pressing up arrow key until desired dose is displayed; OR turn the pump off.
No Audible Alarm	<p>Alarm volume set too low.</p> <p>Battery is fully discharged.</p> <p>Alarm circuitry failure.</p>	<p>Turn alarm knob on pump to desired setting.</p> <p>Charge battery for a minimum of 15 hours.</p> <p>Return pump for technical service.</p>