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 AC outlet. Pump will automatically begin charging.
These general instructions are for inserting the Kendall Healthcare Pump Administration Sets into the Kangaroo Pet Feeding Pump.
1. Fill feeding bag prior to setting up pump.
2. Close roller clamp on pump set.
3. Press "ON".
4. Wait while pump performs systems check.
5. To clear the volume delivered, press "VOL"; then immediately press "CLR".
6. Set delivery rate by pressing the increase arrow or decrease arrow.
7. Set dose, if desired by pressing "DOSE" button, then immediately press appropriate arrow to set desired dose. (NOTE: Setting the dose is not required to operate pump.)
8. Open loading arm by pressing the latch from the rear of the pump and rotating it downward into the fully open position.
9. Insert bottom of drip chamber into lower drip chamber guide.
10. Insert top of drip chamber into upper drip chamber guide.
11. Insert tubing into loading arm.
12. Slowly open clamp and fill entire line with fluid. If the pump is being used in a stationary setting such as an IV pole, then fill the drip chamber to the fill line of the drip chamber. If the pump is in an ambulatory setting, such as in its carrying case, only fill the drip chamber to the line indicated by the label behind the drip chamber.
13. Close clamp.
14. Attach pump set connector to feeding tube.
15. Close loading arm by rotating upward counterclockwise until it latches shut.
16. Open roller clamp, press "START HOLD". While pump is running, dots will flash across display.

TO CHANGE DELIVERY RATE:
1. Press "START HOLD"
2. Set new rate by pressing appropriate arrow keys on the front panel
3. Press "START HOLD".

KANGAROO® PET® FEEDING PUMP

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)	Feeding container is empty Feeding tube or feeding set tubing is occluded. Drip chamber walls are coated with feeding formula Sensor in upper drip chamber guide is blocked.	Refill feeding container. If bag has been in use for 24 hours, replace Locate point of occlusion and correct. Note: occlusion may occur upstream or downstream from pump. Check to make sure roller clamp of feeding set tubing is open. Check the patency of feeding tube. 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 feeding set. Check to make sure black surface of drip chamber guide is free of dried formula. Remove any deposits by using a cotton swab dampened with warm soapy water or isopropyl alcohol.
Low Battery Alarm (Lo BAT)	Battery has been run down	Insert pump into charger base and plug power cord into wall outlet.
Hold Error Alarm (Hld Err)	Pump has been left in the hold mode for over 2 ½ min.	Press "SART/HOLD" to silence alarm, then press "START HOLD" again to restore flashing rate display, and 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 the retainer clip on pump set has been properly positioned into retainer lock on pump.
System Error Alarm (SYS Err)	Problem with rotor, rotor position sensing or other rotor circuit problem.	Return pump for technical service.
Internal Circuit Problem Alarm (8888)	Problem with pump's internal circuitry.	Return pump for technical sevice.
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 "CLEAR" to feed additional volume, increase the dose amount by pressing "DOSE" the "up" arrow key until desired dose is displayed; OR turn the pump off.
No Audible Alarm	Battery is fully discharged. Alarm circuitry failure.	Charge battery for a minimum of 8 hours. Return pump for technical service.