

## Congratulations on purchasing the Electra® Peristaltic Pump!

### Setting up the Electra® Peristaltic Pump (Item # ELEPERRI-30000):

1. Hook up the battery clamps included with pump to the correct battery terminals on the battery. Connect the negative lead from the power cord to the negative terminal on the battery, and then connect the positive lead from the power cord to the positive terminal on the battery. You must use the 10 foot cigarette DC plug cord to hook up the Electra® pump by plugging one end into the pump and the other end into the cigarette plug in a vehicle. Or if you need to be more mobile, use the Proactive 44 AMP Mobile Battery Pack (Item # PB-25200) to energize your Electra® pump.
2. Insert the proper silicone tubing into the Masterflex Easy Load 2 Pump Head. Please use Masterflex or tubing comparable to : MF# LS 15: 3/16"ID X 3/8" OD, MF# LS 24: 1/4" ID X 7/16" OD. For 3/8" ID X 5/8" OD tubing please use Masterflex only: MF# LS 36: 3/8" ID X 5/8" OD.
3. Turn the MIN /MAX SPEED button all the way to the left until you hear a click, which means that the unit is OFF.
4. Push the DIRECTION button to the Forward position to lift the liquid from the well. Push the DIRECTION button to the Reverse position to back flush the liquid.
5. To turn ON the Electra® pump, slowly turn the MIN / MAX SPEED button slowly to the right until you hear a click. Turning the dial clockwise (to the right) increases the speed allowing for accurate control of the flow of liquid.
6. Now accurately control the flow of liquid by turning the MIN / MAX SPEED button slowly to the right. The variable speed control allows you to lift samples from 26 feet at sea level. The Electra® has a flow rate from 40ml to 1800ml per minute (depending upon tubing size and depth to water). The Electra® incorporates a proprietary control system that will “boost” the internal battery voltage to a consistent voltage output of 13.5 volts (max) or slightly higher; even if the battery has been running for several hours.
7. The Electra® has a low voltage disconnect at 11 volts. In short, the Electra® will shut off and then turn on every few seconds (pulsate) if the output voltage drops to 10.75 volts or lower. At times the unit will lose power, therefore making the pump noticeably sluggish and ultimately the water discharge output will be a considerably lower flow. What this means is the battery is reaching a “critical low level” so stop using the unit immediately and please recharge your battery within 24 hours.

#### IMPORTANT NOTES:

The pump may start to pulsate or the pump will shut off which indicates the battery level is below 10.75 volts. You will need to charge your battery immediately.

**THE PUMP WILL NOT TURN ON UNLESS THE BATTERY VOLTAGE IS GREATER THAN 11 VOLTS. ONCE THE BATTERY IS CHARGED, YOU MAY THEN POWER ON YOUR PUMP.**

If the Internal Fuse engages, it will automatically shut off the pump. This only happens if you should accidentally “reverse polarity” the pump clamps to the battery. The Internal Fuse will also engage and shut off the pump if the pump should overload. If any of these situations occur, simply unplug the power plug to the battery and wait 30 seconds for the internal fuse to reset. Then hook up the power plug to the battery terminals again. Turn on the power and the pump is ready to use. There is no fuse to replace in this unit!  
**PUMP IS NOT WATERPROOF OR WATER RESISTANT.**

BATTERY NOT INCLUDED

**WARNING!!**

**This product is to be used ONLY for sampling non-flammable liquids or non-flammable gases!!**

#### Limited Warranty Information

Products manufactured by Proactive Environmental Products® International LLC are warranted to the original user only to be free of defects in material and workmanship for a period of 180 days from the date of purchase, provided, however, that if a motor module is built into, affixed to, or provided with any covered product, then the warranty period for such motor module shall be limited to Sixty (60) days from the date of purchase. Proactive Environmental Products® International LLC liability under this warranty shall be limited to repairing or replacing at Proactive Environmental Products® International LLC option, without charge, F.O.B. Proactive Environmental Products® International LLC factory or authorized service station, any defective product manufactured by Proactive Environmental Products® International LLC. Proactive Environmental Products® International LLC will not be liable for any costs of removal, installation, shipping, transportation, or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured by Proactive Environmental Products® International LLC are subject to the warranty provided by the manufacturer of said products and not by Proactive Environmental Products® International LLC warranty. Proactive Environmental Products® International LLC shall not be liable under this limited warranty or otherwise for wear and tear items or issues (including, but not limited to, seals, bearings, wiring, warping, and bending), damage to products caused by abnormal operating conditions, accident, abuse, negligence, misuse, unauthorized alteration or repair, or if the product was not installed in accordance with Proactive Environmental Products® International LLC printed installation and operating instructions.

**Obtaining Service:** To obtain service under this warranty, the defective product must be returned to the distributor or dealer from which it was purchased or directly to Proactive Environmental Products® International LLC, subject to an evaluation fee established by Proactive Environmental Products® International LLC for each defective product, with the following information: proof of purchase with product serial numbers printed on invoice, installation date, failure date, and supporting installation data (example: How was it installed...was it installed using a solar system... was it installed using a 12 volt deep cycle marine battery... was it installed using a step-down transformer of some sort?). Unless otherwise provided, the distributor or dealer will contact Proactive Environmental Products® International LLC for instructions. Any defective product to be returned for warranty services shall be delivered freight prepaid to Proactive Environmental Products® International LLC factory or an authorized service station; documentation supporting the warranty claim and/or a Return Material Authorization must be included if so instructed. Proactive Environmental Products® International LLC requires that all customers notify the distributor or dealer or Proactive Environmental Products® International LLC, as applicable, prior to returning a product under the Proactive Environmental Products® International LLC warranty program, and any such product will only be accepted if it has been thoroughly cleaned and decontaminated and is properly packaged. In the event a product is returned to the distributor or dealer from which it was purchased or directly to Proactive Environmental Products® International LLC and the buyer/user does not take return receipt of the product within six (6) months after such return for warranty service because of buyer's/user's failure to communicate, failure to fulfill any warranty obligation, or otherwise, not including such a failure by Proactive Environmental Products® International LLC, then such product shall become the sole and exclusive property of Proactive Environmental Products® International LLC and it may sell, dispose of, or transfer such product at its discretion.

If a product should fail within the warranty specified, please contact your authorized Proactive Environmental Products® International LLC Distributor or call Proactive Environmental Products® International LLC direct at 1.941.322.8504.

Should any failure to conform to this warranty appear within the term of initial sale, the manufacturer shall upon notification thereof and substantiation that the product with replacement parts or accessories has been maintained, correct such defects by suitable repair or replacement at its own expense, purchaser being responsible for shipping and handling charges only. The Proactive Environmental Products® International LLC warranty does not include shipping or an obligation to provide another unit while the original product is being repaired or replaced. The Proactive Environmental Products® International LLC warranty does not apply to any product used as rental equipment or contaminated by materials harmful to such products. The Proactive Environmental Products® International LLC warranty does not apply to parts failure due to neglect in cleaning or unauthorized servicing of the product, nor does it cover failure of a part caused by misuse or inappropriate use of the product.

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Some jurisdictions do not allow for the exclusion or limitation of incidental or consequential damages and some jurisdictions do not allow limitations on how long implied warranties may last. It is the buyer's responsibility to determine if a certain jurisdiction's rules may apply. Therefore, the above limitations or exclusions may not apply to you and it is your responsibility to determine whether the aforementioned limitations to the limited warranty apply and to the extent such limitations may apply in your jurisdiction. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdiction to jurisdiction.

# ELECTRA®

## Peristaltic Pump

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