

# **NOVA PROTRONIC**

# **HEATER/STAT**

## **USER INSTRUCTIONS - PLEASE READ CAREFULLY**

Thank you for purchasing this product. You can be assured that you now have the latest technology in heating systems for the darkroom enabling you to heat liquids from ambient upto 45°C with accuracy.

There are three key parts to the Nova Protronic:-

- a) The Power Stat which plugs directly into your power supply.
- b) A powerful 300 watt heater controlled by the Power Stat.
- c) A remote temperature probe which accurately senses the temperature of the liquid around it and feeds the information back to the Power Stat.

## **SETTING UP**

1) First of all it is important to fit the two suction cups onto the glass of the heater. Push the cups onto the glass so that they are no further away from the cable entry end than 4" (10cm) - NEVER PLACE CUPS OVER THE END 6" (15cm) OF THE GLASS.

2) Place the heater into your water bath, ensuring it is fully immersed, and adhere to its side by way of the recently fitted suction cups - THE HEATER MUST ALWAYS BE FULLY IMMERSSED IN WATER OTHERWISE SEVERE DAMAGE TO THE UNIT WILL OCCUR.

**4) ALWAYS FIT A RESIDUAL CURRENT DEVICE (RCD) BEFORE USING THE PRODUCT OTHERWISE SERIOUS INJURY OR ELECTRICAL FAULT MAY RESULT.**

**LEAVE THE HEATER IN THE WATER BATH FOR 5 MINUTES BEFORE SWITCHING ON. The glass needs time to acclimatise to its surrounding cold water temperature. You may now proceed to plug in and switch on the Power Stat.**

**5) Set the control to the temperature that you require and leave to warm up for as long as necessary. This amount of time will depend on the temperature you have set and the volume of liquid in the water bath.**

**6) Continue to take regular thermometer readings from your liquid until the temperature has stopped rising. If further adjustment is necessary, fine tune the control up or down and leave for more time until the temperature has stabilised again. Once your chosen temperature has been achieved, accuracy of  $\pm 0.25^{\circ}\text{C}$  is guaranteed.**

**7) NEVER remove the heater from the liquid whilst the heater**

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