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Premiere®

Slide Warmer





Model XH-2001
Model XH-2002

Operating Manual

Before using this product, please read this manual carefully to learn about the available features to obtain the best results of this equipment.

Warning: To prevent fire or shock hazard, do not expose this unit to rain or moisture. Unless labeled otherwise, this equipment should be used with AC 120V, 60Hz in the USA or Canada. 220V, 50Hz available as Model No. **XH-2001-220 or XH-2002-220**

Caution: No user-serviceable parts inside. Refer servicing to qualified service personnel.

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2.1 Safety

1. Handle this device with the same care as any heating device:
   - Do not touch the heating surface until it is cool
   - Do not turn on the heating surface if it is empty

2. Be sure to place the device on a flat, level, heat resistant surface free from any debris. Also, place it away from any edges where it could be accidentally pushed off.

3. When moving the device:
   - Make sure the power cord has been unplugged
   - Allow plenty of time for the device to cool before moving it
   - Use both hands to move it to another flat, level, heat resistant surface

4. Store the device in a clean, dry, and secure place where there is no chance of it falling or being damaged.

5. Only use the supplied power cord.

6. Be sure to unplug the device before changing the fuse.

7. If a problem occurs with the device, contact your dealer. Individuals that are not qualified to repair this device should not attempt to do so; the result could be additional damage that would not be covered under the manufacturer's warranty. Do not discard the box or any packaging material before the damage is inspected and documented by either your dealer or a representative of the carrier.

8. Only operate this device if you are qualified to do so. Any misuse of this device could cause injury.

9. The manufacturer and dealer are not responsible for any injury caused by the misuse of this device.

10. Use proper safety attire and follow safe laboratory procedures while using this device in order to prevent personal injury or damage to the equipment.

11. Never place any item on the Slide Warmer that can scratch or damage its surface.

12. **Caution:** Do not block the heat ventilating holes on the side of the Slide Warmer.

3.1 Contents

Number	Name	Qty	Note
1	Slide Warmer	1pc	XH-2001 or XH-2002
2	AC Power Cord	1pc	
3	Fuse	1pc	4 AMP
4	Operating manual	1pc	

3.2 Specifications

	XH-2001 (Large)	**XH-2002 (Small)**
Overall size	25” x 9” x 4” (640 x 230 x 100mm)	10¼” x 8” x 3½” (260 x 200 x 85mm)
Surface size	25” x 8”	10” x 7”
Capacity	Approx. 66 slides	Approx. 23 slides
Power	200 Watts	100 Watts
Net Weight	19 lbs.	7 lbs.
Voltage	110V, 60Hz or 220V, 50Hz (Models **XH-2001-220** and **XH-2001-220**)	
Temperature	Room temperature to 75˚ C; ±2˚ C	
Quality Assured Firm	ISO 9002	

4.1 Control Panel



1. ▲▼ : Temperature control buttons
2. ○: Temperature set button
3. LED temperature display
4. ●: Heat indicator lamp

4.2 Setup

1. Open box and remove slide warmer from packaging
2. Place slide warmer onto flat surface
3. Plug AC power cord firmly into back of unit, connect plug to power supply, and your slide warmer is ready for use.
4. If there is any damage to the power cord (i.e. tears, bent or damaged plug, or any exposed wires), **DO NOT USE**. Contact your dealer immediately for a replacement.

5.1 Operation

1. Plug the Slide Warmer into an electrical outlet and turn on the power switch on the side of the machine. The LED temperature display will turn on letting you know the machine is on and is working.

2. Press the temperature “SET” button (#2) to see the current temperature setting.

3. Set the desired temperature (shown in degrees Celsius) by using the “▲” or “▼” (temperature control) buttons (#1). The setting will appear in the LED temperature display (#3).

4. Once you have entered your desired temperature setting push the temperature “SET” button (#2). This will show the actual temperature of the heating surface.

5. Temperature range is from room temperature to 75˚C ± 2˚C.

6. Place slides flat on the Slide Warmer surface to help warm more efficiently.

6.1 Troubleshooting

Calibration testing:

Turn the Slide Warmer on and allow it to warm up for 15 minutes. Then use a surface or infrared thermometer to measure the average temperature between the edge of the heating surface and its center. If the difference between the measured average temperature and the temperature shown on the LED temperature display is more than 5°C, the Slide Warmer needs to be recalibrated.

How to recalibrate:

1) Adjust the difference between average surface temperature and displayed temperature:
Press and hold the “SET” button for 3 seconds. The LED temperature display will show “Sc”. Press the “SET” button again and you will see the recalibration value begin to flash in the LED temperature display. This value can be adjusted so that the LED temperature display value and the measured average temperature of the heating surface are the same (the default value is 0.0).

Use the “▲” or “▼” buttons to set the value between “-9.9” and “9.9”.

For example, the measured average temperature of the heating surface is 30℃, but the LED temperature display shows 25℃. Use the "▲" button to add 5℃ (the difference in temperature values). Then when you exit the settings selections (step 5) the LED temperature display will read 30℃.

2) Press the "SET" button again and "E" will be shown in the LED temperature display. Press the "SET" button again and "00.5" will be shown. **DO NOT CHANGE THIS VALUE**. It is a factory preset and changing it will cause the Slide Warmer to malfunction.

3) Press the "SET" button again and "P" will be shown in the LED temperature display. Press the "SET" button again and "15.0" will be shown. See step 6 for instructions on when to adjust this value.

4) Press the "SET" button again and "c" will be shown in the LED temperature display. Press the "SET" button again and "10.0" will be shown. **DO NOT CHANGE THIS VALUE**. It is a factory preset and changing it will cause the Slide Warmer to malfunction.

5) Press the "SET" button again and your settings will be saved.

6) <u>If the Slide Warmer does not maintain its recalibrated temperature</u>:

Press and hold the "SET" button for 3 seconds until "Sc" is shown. Then press the "SET" button 4 more times and "P" will be shown in the LED temperature display. Press the "SET" button again to see the value of "P"; this is the temperature control value. This value is equal to P/10°. This value can be adjusted so that the heating surface maintains a steady temperature. Use the "▲" or "▼" buttons to set the value between "0.00" and "99.9".

For example, if the LED temperature display value is "50.0" and the value of "P" is "10.0" the heater will turn off and on at P/10 = 10/10 = 1°C. So the heater will turn off at 51°C and heat back up if it falls below 49°C.

If the temperature rises too slowly or it cannot reach the "SET" temperature increase the value of "P". If the temperature rises too fast or it surpasses the "SET" temperature decrease the value of "P".

7) Press the "SET" button again and the LED temperature display shows "c" (see step 4).

8) Press the "SET" button again to save your settings.

9) Monitor for 10 minutes and readjust values as necessary.

Upon receipt of your new equipment

we recommend you record the following information for future reference:

Date purchased/received:_____

Dealer:_____

Dealer's phone number:_____

Warranty

The manufacturer warrants this instrument to be free from defects in material and workmanship under normal use for 1 year from the date of purchase. It does not cover damage resulting from abuse or misuse, repairs or alterations performed by unauthorized repair technicians, or damage occurring in transit. If you have questions concerning this product or warranty, contact the dealer from whom it was purchased. For warranty service, equipment should be well packed to avoid damage in transit, preferably in original box and packing. Include your complete return address and telephone number as well as a description of the difficulty, date and place of purchase, and ship to the address below. If under warranty it will be repaired or replaced at no charge and returned. If misuse, alterations, accident or abnormal conditions of operation caused failure, an estimate for repairs will be provided for your approval prior to work being performed.

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