

WARRANTY

(Effective September 1, 2010)

HIX will automatically register the equipment on the date it was shipped to you or your distributor. If the equipment was not purchased directly from HIX, but through a distributor (either domestic or foreign), please keep a copy of their sales invoice showing the serial number and date it was sold/shipped to you with this warranty. In this case, we will use the distributor's invoice date as the beginning warranty date. **STAPLE A COPY OF YOUR RECEIPT TO THIS WARRANTY** and keep in a safe place to provide verification of your warranty should a problem occur. Thank you.

Please fill in the following information and attach a copy of your receipt for your records.

Date Purchased: _____ From: _____

Model #: _____ Serial #: _____

This warranty applies to equipment manufactured by the HIX Corporation (HIX), Pittsburg, Kansas, U.S.A. HIX warrants to the original purchaser, its Ovens and Dryers, Heat Transfer Presses, Mug Presses, Mug Glazer, Retensionable Screen Frames, Textile Printers, Spot Heaters, and Exposure Units against defects in workmanship and material, except for wear and tear for a period of "One Year" from the date of purchase. HIX warrants its Accessories, Reten Splines/Hardware/Tool Kit, and Shuttle for a period of 90 days from the date of purchase. Thermatrol and doughXpress products are covered under separate warranty.

In the event of a defect, HIX, at its option, will repair, replace or substitute the defective item at no cost during this period subject to the limitations of insurance and shipping costs stated below.

In the case of heat transfer presses (except the Hobby Lite), HIX warrants the heat casting for the "Life" of the machine for the original purchaser. If a part becomes obsolete at the time for repair, and/or cannot be reasonably substituted for, HIX will credit, at half the then current list price or last recorded price, only that part toward a new machine or any product HIX offers. This credit offer shall be the sole responsibility of the HIX Corporation in the event of an obsolete part.

This warranty does not cover belts, pads, mug wraps, canvas, rubber blankets, bulbs, glass, rod ends, turn buckles on printers or damages due to accident, misuse/abuse, alterations or damage due to neglect, shipping or lack of proper lubrication or maintenance. HIX shall not be responsible for repairs or alterations made by any person without the prior written authorization by HIX. This warranty is the sole and exclusive warranty of HIX and no person, agent, distributor, or dealer of HIX is authorized to change, amend or modify the terms set forth herein, in whole or in part.

In the case of a problem with the equipment identified herein, HIX Corporation should be contacted during regular business hours to discuss the problem and verify an existing warranty. HIX personnel will assist the customer to correct any problems which can be corrected through operation or maintenance instructions, simple mechanical adjustments, or replacement of parts. In the event the problem cannot be corrected by phone, and upon the issuance of a return authorization by HIX, the equipment shall be returned to HIX or an authorized service representative. All insurance, packaging and shipment/freight costs are solely the responsibility of the customer, and not that of HIX, and HIX shall not be responsible for improper packaging, handling or damage in transit. Contact HIX customer service for complete return authorization information. Correct shipping boxes are available from HIX.

This expressed warranty is given in lieu of any and all other warranties, whether expressed or implied, including but not limited to those of merchantability and fitness for a particular purpose, and constitutes the only warranty made by HIX Corporation.

In no event shall HIX's liability for breach of warranty extend beyond the obligation to repair or replace the nonconforming goods. HIX shall not be liable for any other damages, either incidental or consequential, or the action as brought in contract, negligence or otherwise.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



Manufacturers of the Finest Quality Textile and Graphics Screen Printing and Heat Transfer Equipment

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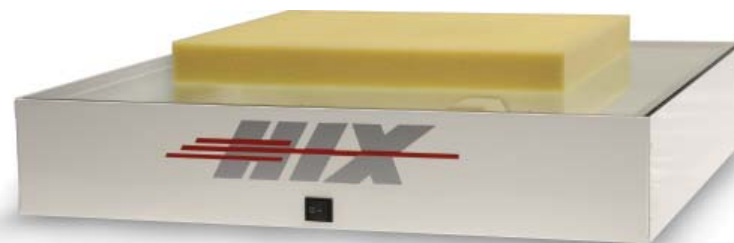
E-Mail: customerservice@hixcorp.com • E-Mail: sales@hixcorp.com

PLEASE READ BEFORE UNPACKING

TT-110E

Fluorescent Table Top Exposure Units

OWNER'S MANUAL



TT-110E shown

HIX CORPORATION
For Customer Service, Call 1-800-835-0606
or Visit www.hixcorp.com

CONTENTS

Installation & Setup	2
Loading Screen	3
Expose Screen	4
Determining Exposure Time	4
Optimum Exposing Time Chart	5
Glass Cleaning	6
Bulb Replacement	6
Troubleshooting	7
Warranty	8

BEFORE warranty repair you MUST get Prior Authorization:

INSTALLATION & SETUP

Congratulations, you have purchased our quality, economical TT-110E exposure unit. Please read this manual and follow these few simple steps for years of trouble free use.

CAUTION: Before installing or operating the unit be sure to read these instructions thoroughly. Disconnect all electric power before performing maintenance on the unit. **Never** operate this equipment with the power supply cover removed. If you find that this should be necessary, contact a licensed electrician. Make sure the circuit for this unit is well grounded.

WARNING: ULTRA VIOLET LIGHT CAN CAUSE SKIN AND EYE IRRITATION OR BLINDNESS. TO PREVENT DAMAGE TO YOUR EYES AND SKIN, ALWAYS USE THE DRAPE AND AVOID DIRECT EXPOSURE TO THE LAMP WHILE IT IS ON.

Installation

1. Carefully cut or tear corners of box. Then carefully remove exposure unit from its shipping container.
2. Place exposure unit on a level surface close to the wall circuit to be used.
3. Unwrap and discard packing materials (DO NOT USE KNIFE OR CUT). Save the 15"x15" weight block.
4. Check unit over for any transportation damage and make sure all foreign objects, such as packing material, have been removed. Clean top side of glass and rubber drape to remove any dust.
5. Carefully lift glass and remove foam pad.

Setup

1. Plug in your unit to your power source and turn on power switch.

WARNING: When using an extension cord, use 14 ga.-3 conductor. Maximum length, 25' (7.62m).

TROUBLESHOOTING

<i>PROBLEM</i>	<i>POSSIBLE CAUSE</i>	<i>REMEDY</i>
Bulbs do not come on	No line power Supply fuse or breaker blown Unit main breaker is blown Main power switch is defective Outlet is defective	Check power source Reset supply breaker or replace fuse Reset unit's main breaker Replace switch Replace outlet
	Bulbs are burned out Ballast is bad	Replace Bulbs Replace Ballast
Unit blows fuses or trips Main Power Circuit Breaker	Check amperage of supply breakers or fuses Shorted ballast	Replace supply breakers or fuses with minimum rating of 15 amps Replace ballast
Lamp fails to remain ignited	Bad Lamp	Replace Lamp
	Bad Ballast	Replace Ballast
Longer Exposure Times	Dirty Glass Worn Out Blubs	Clean front or back of glass. Replace <u>ALL</u> bulbs.

MAINTENANCE & REPAIRS

Glass Cleaning or Bulb Replacement

In order to maintain short exposure times, keep the unit's exposure glass clean. Dusting is usually sufficient. If more cleaning is required use a soft cloth moistened with alcohol. A dusty environment will require more cleaning.

NOTE: Do not use "wax" glass cleaners.

When you notice your exposure times getting longer or if the lamp fails to operate, check the Troubleshooting Chart on page 7.

To clean back side of glass or replace bulbs:

1. Carefully lift front of glass from the gasket (leave back of glass resting on its gasket).
2. Remove old bulb, Insert new bulb.
3. Carefully replace the glass as it was before.
4. Clean underside and lay back down carefully.

WARNING: To lift glass use flexible (non rigid) item such as putty knife. If you lift the glass, do so carefully so as to not scratch or break the glass. Never use a screwdriver or hard object.

OPERATION

Loading Screen

1. Tape film positive, to the coated screen frame and place in center of glass, mesh side down. **Maximum** screen size 23" x 31".

NOTE: When using wood frames with tape and staples, be sure to tape over tape and staples to prevent damage to glass.

2. Place foam pad inside of the frame. (photo 1)

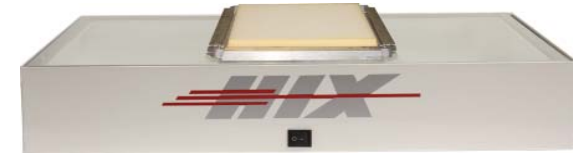


photo 1

3. Place rubber drape over the screen & entire glass area. (photo 2)



photo 2

WARNING: During operation, make sure the glass is covered on all sides to prevent UV light exposure to eyes or skin.



photo 3

4. Place wood block over the top of foam to force the foam down onto the screen mesh. (photo 3)

If additional weight is required, place weight on top of wood block.

NOTE: Weight not to exceed 5 lbs or damage to glass may occur.

OPERATION

Expose Screen

NOTE: Read your emulsions exposure instructions.

1. Set for the optimum exposing time for the screen you are going to expose. See "Determining Your Optimum Exposure Time" below or your filled in chart on page 5 if you have already determined your exposing time.
2. Turn the main power switch "ON" and start the hand timer.
3. At the end of the set exposure time as indicated by the timer beeping, you can turn off the power switch, remove the weighted board, rubber drape, foam block and the exposed screen.

Determining Your Optimum Exposure Time

NOTE: This procedure should be followed for each new emulsion type, new mesh count or mesh type (i.e. yellow, orange, white). This procedure should also be followed periodically since the bulb intensity will lessen with age.

Exposure Calculator (Preferred Method)

See your emulsion supplier for an exposure calculator and follow their instructions.

By Step Trial Method

Expose dried coated screen in 1 minute intervals as follows:

1. Place cardboard sheet between positive and glass leaving approximately 2" of positive exposed. After 1 minute, move cardboard approximately 2" more and now expose for 1 minute. Then move cardboard a 3rd time approximately 2" expose once again. Repeat at least to 4 minutes. Now you have 4 expose areas of 1, 2, 3 and 4 minutes.
2. Inspect your newly exposed screen for proper exposure.

Underexposed: results in weak stencil with poor emulsion adhesion and reduced resistance to printing inks and wash up solvents.

Overexposed: results in loss of fine detail.

3. Once you have determined the proper exposure for your emulsion type fill in the chart provided at end of this manual as a ready reference. This will save you time in the future.

OPERATION

Use and copy this chart for recording your shop's popular emulsions and exposure times.

OPTIMUM EXPOSING TIME CHART

DATE	MESH COUNT	EMULSION COLOR	EMULSION BRAND	COATING METHOD	EXPOSURE TIME