

# Pluvex 1410 UV Exposure Unit – 110V

with Digital Timer 300-255

## Instructions on Use

1. Remove unit and power cable from the packaging and place on a flat surface in a location where the lid can be fully raised and lowered without obstruction.
2. Read Electrical Safety notice on reverse (or attached), then insert power lead into the unit and the moulded plug into a suitable socket. When mains power is supplied to the unit the timer will briefly display 888, before a single '0' appears.
3. Raise the 'exposure top' and then raise the 'clamp down frame' after first releasing the catches.
4. Place material to be exposed, emulsion side 'up' on the foam pressure pad, then place your artwork on top of the material.
5. Carefully lower the 'clamp down frame' and engage both catches. Check alignment of artwork before then lowering the 'exposure top'.
6. The exposure time in seconds, between 0-500, can be set by the + or – touch keys. A single depress alters the time by one second and holding the touch key down enables rapid gain or fall. Once the required time has been reached, ensure the lid is closed and depress the 'START' touch key. The UV exposure will then commence and the time set will count-down to '0'. When the exposure is complete the tubes will turn off and the original set time will flash on the display. This time can then be adjusted by the + or – or a second exposure can be made by simply pressing the 'START' touch key again.

## Hints

1. The UV tubes will produce as much as 30% more UV light when they are warm. For constant exposures turn the machine on, with the lid closed, for a 300 second exposure prior to use.
2. Exposure times vary depending on the material to be exposed. as a guide Mega's Fotoboard and FPC-16 printed circuit board material will take approximately 120-150 seconds to expose with a good quality artwork.
3. Avoid operating the unit with the lid raised.

## Spare and Servicing

Please contact our spares department stating the model number (300-255) and serial number which can be found on the rating label next to the mains power input. Spares are available and are only supplied on the understanding that the replacement of such parts requiring the exposure of live electrical connections will be undertaken by an electrically qualified person. The following are common spare parts which can be ordered.

170012	UV tube 15W 05 18"
171003	Choke – 30W
172016	Starter

## Associated Products

A range of products are available for use with this unit and are detailed in our free product catalogue. You should find particular interest in the PCB and label production materials.

***Please telephone us for your free copy.***



## Mega Electronics Limited.,

Mega House,  
Grip Industrial Estate,  
Linton, Cambridge.  
CB21 4XN. ENGLAND.

Telephone: +44 (0) 1223 893900  
Fax: +44 (0) 1223 893894  
email: sales@megauk.com  
web: www.megauk.com

## Electrical Safety Notice

### CONNECTIONS TO MAINS ELECTRICAL SUPPLY

This equipment is designed to safety class 1

Before connecting this equipment to the mains electricity supply, examine the information on the apparatus rating label.

Ensure that the mains supply is single phase alternating current (a.c.) of the stated frequency (Hz), with neutral nominally at earth potential.

Check the supply voltage is within the stated range.

The equipment rating label states the value of the fuse fitted to the apparatus itself. Ensure that the plug or supply circuit is fitted with an appropriate fuse of higher value.

### WARNING THIS APPARATUS MUST BE EARTHED.

The wires in the mains lead are coloured in accordance with the following code:

Green/Yellow - Earth (E)  
Blue - Neutral (N)  
Brown - Live (L)

If a moulded fused plug is not fitted connect the wires to a non-reversible 3 pin plug as follows:-

Green/Yellow wire to terminal marked:

E (earth) or G (ground) or coloured Green or coloured Green/Yellow.

Blue wire to terminal marked:

N (neutral) or Common or coloured blue.

Brown wire to terminal marked:

L (live) or Phase or coloured Brown.

***NO SERVICING OR MAINTENANCE SHOULD BE CARRIED OUT UNTIL THE UNIT HAS BEEN SWITCHED OFF AND ISOLATED FROM THE MAINS ELECTRICITY SUPPLY.***

Any spare parts which may be required, are supplied on the understanding that the replacement of these requiring the exposure of live electrical connections will be undertaken by an electrically qualified person.



**Mega Electronics Limited.,**

Mega House,  
Grip Industrial Estate,  
Linton, Cambridge.  
CB1 6NR. ENGLAND.

Telephone:

Fax:

email:

web:

+44 (0) 1223 893900

+44 (0) 1223 893894

sales@megauk.com

www.megauk.com