

# LV204 UV EXPOSURE UNIT

MEGA PART NO: 300-002

## 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 plug the moulded 13amp plug into a suitable socket.
3. Raise the lid and place the artwork face down in the centre of the glass.
4. Place material to be exposed, emulsion side down, on top of the artwork and carefully close the lid ensuring both catches are engaged.
5. Switch on the mains supply on the right hand side of the unit. The timer will briefly display 888, before a single '0' appears. The exposure time in seconds, between 0-500, can be set by the + or – touch keys. A single gentle push alters the time by one second and holding the touch key down enables rapid setting. Once the required time has been reached, ensure the lid is closed and gently press 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 Microtrak printed circuit board material will take approximately 150 - 210 seconds to expose with a good quality artwork.
3. Avoid operating the unit with the lid raised.

## 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.

