

LASER TECHNIQUE MINI AND MIDI SCAN USER INSTRUCTIONS

SAFETY AND USER MAINTENANCE :

- 1. LASER BEAM PROJECTIONS MUST BE ABOVE HEAD HEIGHT, AND EXPOSURE TO REFLECTED OR PROJECTED BEAMS MUST BE AVOIDED.**
- 2. BEFORE OPERATION THE SCAN MUST BE CONNECTED TO A SUITABLE MAINS PLUG. THE UNIT MUST BE EARTHED.**
- 3. THE SCAN MUST ONLY BE OPENED AND SERVICED BY QUALIFIED PERSONAL.**
- 4. THE SCAN CANNOT BE CONNECTED TO A DIMMER SYSTEM, DAMAGE MAY OCCUR IF IT IS.**
- 5. THE SCAN CAN ONLY BE USED INSIDE AND MUST NOT BE USED OUTSIDE.**
- 6. THE SCAN MUST NOT BE OPERATED FOR MORE THAN 8 HOURS IN ANY ONE TIME. A OFF PERIOD OF 2 HOURS SHOULD BE ALLOWED AFTER PROLONGED OPERATION.**
- 7. THE FRONT LASER OUTPUT WINDOW MUST BE CLEANED FREQUENTLY TO REMOVE DUST AND SMOKE PARTICLES FROM THE PROJECTION WINDOW WITH A NON ABRASIVE GLASS CLEANER.**
- 8. CARE MUST BE EXERCISED WHEN HANDLING THE SCAN. IT CONTAINS FRAGILE COMPONENTS WHICH MAY BE DAMAGED BY EXCESSIVE FORCE.**

GENERAL OPERATION AND DESCRIPTION :

- 1. THE MINI AND MIDI SCAN HAVE THE FOLLOWING FEATURES:**

PROJECTION WINDOW ON THE FRONT OF THE UNIT,
ON/OFF KEY SWITCH, AND IEC MAINS INPUT PLUG ON THE REAR OF THE UNIT.
- 2. CONNECT THE MAINS LEAD TO A SUITABLE POWER POINT, WITH THE UNIT POSITIONED IN THE REQUIRED MANNER. THE KEY SWITCH MAY BE TURNED TO THE ON POSITION.**
- 3. THE MINI AND MIDI SCANS WILL STEP THROUGH THE PATTERNS AUTOMATICALLY, IF A SOUND SOURCE IS PRESENT THE PATTERNS WILL MODULATE WITH THE SOUND TO LIGHT CIRCUITRY.**

THE MANUFACTURER LASER TECHNIQUE HOLDS NO LIABILITY FOR THE USE OF THIS PRODUCT OR OF ANY DAMAGE WHICH MAY RESULT FROM ITS USE, IT IS THE USERS RESPONSIBILITY TO OPERATE THE LASER IN A SAFE MANNER.

MINI (MIDI) SCAN SPECIFICATION :

OPTICAL:

Laser Source : Diode Laser,
Maximum Optical Power : 5mW (20mW),
Classification : 3A (3B),
Wavelength : 650nm RED, 532nm for green lasers,
Beam Divergence : 2.0mrad,
Beam Diameter : 2 x 5mm,
Laser Diode Life : 2000 Hours,
Optics : Front surface enhanced aluminium mirrors with Anti Reflective coated
output window,
Shutter : Solid state laser diode switching,
Maximum Scan Time : 25mS exposure every 300mS.

EFFECTS:

- 16 Preset Patterns,
- Internal microphone for sound to light modulation,
- 20 Degree pattern divergence angle,
- 2 Scanners.

POWER SUPPLY:

- Linear power supply for laser and electronics,
- 95 - 130 or 190 - 250 VAC operation by internal selection,
- 10 Watt power consumption, 20 Watt for green lasers.

CONFORMITY / SAFETY FEATURES:

- CE Conformity to : EN 55011:1991 CLASS B (conducted and radiated),
EN 61000-4-2:1995,
EN 61000-4-3:1995,
EN 61000-4-8:1994, LOW VOLTAGE DIRECTIVE,
- Scanner Failure Protection. If one or both scanners malfunction laser source will be shut down.
- Miniscan Pulse Train MPE=0.952 J/m², Energy density at 2m in medium density smoke = 0.841 J/m²
- Midiscan Pulse Train MPE=0.952 J/m², Energy density at 2.6m in medium density smoke = 0.951 J/m²

PHYSICAL :

System Dimensions : 300 x 155 x 100mm (not including bracket and knobs),
Weight : 2.3Kg,
Operating Temperature : 10-40°C,
Packaged Size : 400 x 265 x 210mm,
Packaged Weight : 3.6Kg.