CONCEPT
EQUIPMENT

UL94

FEATURES

- The UL94 test is widely applied throughout industry especially in electrical manufacturing where it is widely used for the testing of electrical products. The test measures the burning rate of samples positioned either horizontally or vertically.
- The newly updated model available from Concept Equipment utilises modern technology and has been designed with ergonomics in mind to ensure that testing is as user friendly as possible.
- Standard Equipment performs UL94 tests 94HB, 94V-0, 94V-1, 95-5V, 94VTM-0, 94VTM1 and 94VTM2.
- The instrument complies with the UL94 standard (excluding radiant panel testing).
- Corrosion resistant coated draft free chamber of volume >1m^3.
- Extraction system with low noise fan (62.5 dB) and back draft damper.
- Large area opening tempered glass window to allow easy viewing.
- Adjustable burner angle - 0°, 20° and 45°.
- Ergonomically designed access ports for sample and burner positioning.
- Integral control panel which includes:
    - Three digital timers
    - Pressure manometer
    - Extractor switch and control
    - Calibrated Gas flow meter
    - Gas solenoid control switch with indicator lamp
- Interior light.
- Bench mounted with optional support frame.
- Other European and ASTM tests can be performed on the apparatus.

SPECIFICATIONS

UL94

European tests:

IEC 60695-11-10/20, IEC 60707, IEC 60695-2-2, ISO 1210, 9772.3, 9773, 10351

BS 2782 Methods,140A and 140B

ASTM tests:

D635, D3801, D4804, D4986, D5025 and D5048

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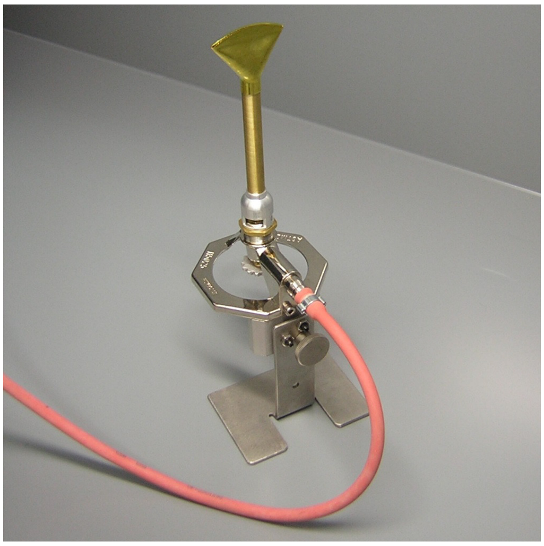
UL94

TECHNICAL DATA

Electrical:
115 Volts AC 60Hz / 230 volts 50Hz.

Ambient Temperature:
Operating 10°C to 35°C.

Dimensions:
1.0m³ - 1500mm (W) x 826mm x (H) x 1150mm (D).



SERVICES REQUIRED

Gas Supply:

The fuel gas used in the test is methane with a minimum purity of 98%. The pressure required to obtain flame stability needs to be adjustable between 0-2 bar.

Electrical supply:

The European supply voltage to the instrument is nominally 230 volts, 50 cycles. In the US, it is supplied with a voltage of 115 volts, 60 cycles.

The power input connection lead should be fitted with a suitable mains plug, specific to the country of installation. This should also provide an effective earth connection.

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