

## UL 94 *Classic* – Flammability Tester for Plastics

Measurement method	Test device for Flammability of Plastics for Parts in Devices and Appliances according to ISO UL94 5th edition, DIN EN 60695 part 11-10, DIN EN 60695 part 11- 20, DIN EN 60695 part 11- 3, DIN EN 60695 part 11-4, ISO 9772 and ISO 9773
Sample dimensions	<ul style="list-style-type: none"> <li>▪ Rod-shaped samples (L x W): 125.0 ± 5.0 mm x 13.0 ± 0.5 mm Thickness, preferred values: 0.1 / 0.2 / 0.4 / 0.75 / 1.5 / 3.0 / 6.0 / 12.0 mm or application-specific</li> <li>▪ Plate-shaped samples (L x W): ≥ 150.0 ± 5.0 x 150.0 ± 5.0 mm Thickness, preferred values: 0.75 / 1.5 / 3.0 / 6.0 / 12.0 mm</li> </ul>
Sample holder	<ul style="list-style-type: none"> <li>▪ 2 sample holder for horizontal tests with sample support and wire grid</li> <li>▪ 2 sample holder for vertical tests</li> <li>▪ 1 sample holder for Calibration thermocouple</li> </ul>
Burner	<ul style="list-style-type: none"> <li>▪ Vertical, 20° and 45° inclinable to the vertical axis with valve for fine adjustment of the flame</li> <li>▪ Burner power selectable 50/500 W</li> </ul>
Gas supply*	Methane ≥ 98% purity, gas pressure 2 bar
Exhaust fan	Axial fan (optional, exhaust volume flow 340m <sup>3</sup> /h@50Hz and max. 390m <sup>3</sup> /h@60Hz)
Measuring and control unit	<ul style="list-style-type: none"> <li>▪ 2x rotameter for methane (50/500 W)</li> <li>▪ 3x valves for methane</li> </ul>
Conditions	Ambient temperature: +25 ± 10 K, relative humidity: 40 - 75%
Dimensions (W x D x H)	115 cm x 65 cm x 136,6 cm
Weight	146 kg
Power supply	110-230 V /50/60 Hz

\* to be provided by the user