

## HBK – Horizontal Burner Box

Determining the reaction to fire of materials used for vehicle interiors in accordance with ISO 3795, DIN 75200, FMVSS 302, GB 8410, IS 15061, CMVSS 302, U.T.A.C. 18-502, ECE R 118 Attachment 6, FAR 25.853 (horizontal, aircraft interiors)

Measurement method	<b>Vehicle manufacturers' works standards</b>
	<ul style="list-style-type: none"> <li>▪ BMW: GS 97038</li> <li>▪ Daimler: DBL 5307.10-13</li> <li>▪ Ford: FLTM-BN 24-2</li> <li>▪ General Motors: GM 6090 M</li> <li>▪ Mazda: MES DF 050D</li> <li>▪ Mitsubishi: ES-X60410</li> <li>▪ Porsche: PTL 8501</li> <li>▪ Renault: D45 1333</li> <li>▪ Volvo: VCS 5031,19</li> <li>▪ VW: VW TL 1010</li> <li>▪ Hyundai/KIA: MS 300-08</li> </ul>

Sample dimensions	356 mm x 100 mm x ≤ 13 mm
Sample holder	1x sample holder of stainless steel without support wires
Burner	Bunsen burner
Burner gas	Propane gas: ≥95% purity, gas pressure: 4.0 bar*
Control elements	1x gas stop valve
Overall design	<ul style="list-style-type: none"> <li>▪ Burner box, stainless steel</li> <li>▪ Front with fire-proof glazing</li> <li>▪ Left side stainless steel door with Bunsen burner</li> <li>▪ Rear side with reducing valve</li> <li>▪ Top cover with handle (optional thermometer mount)</li> </ul>
Operating conditions	<ul style="list-style-type: none"> <li>▪ Temperature: 23°C ±5 K, relative humidity: 50% ±20%</li> <li>▪ Vertical airstream: 0.1 m/s – 0.3 m/s</li> </ul>
Dimensions (W x D x H)	385 mm x 210 mm x 365 mm
Weight	26 kg
Scope of delivery	<ul style="list-style-type: none"> <li>▪ 1 burner box with top cover and drip tray</li> <li>▪ 1 Bunsen burner</li> <li>▪ 1 main gas valve</li> <li>▪ 1 reducing valve</li> <li>▪ 1 adjustable pressure reducer</li> <li>▪ 1 sample holder without support wires</li> <li>▪ 1 gauge for flame height</li> <li>▪ 1 gas connection hose</li> <li>▪ 1 digital stop watch</li> <li>▪ 1 manual, English</li> </ul>
Options	<ul style="list-style-type: none"> <li>▪ Sample holder with support wires in accordance with ISO 3795</li> <li>▪ Sample holder with support wires VW TL 1010</li> <li>▪ Thermometer 250°C for standards MS 300-08 and GB 8410</li> </ul>

\* Gas to be provided by the user.