

geolometer

R O C K S O L I D L Y R E L I A B L E



GL-DI 100

**Single Combustion Test
Equipment for Building Materials**

PRODUCT APPLICATION

This test apparatus is used to ascertain the physical characteristics of the ontological test equipment as well as the reflection of the product or building material (except from flooring materials) on the fire in the single combustion test.

Product Specifications

SPECIFICATIONS	GL-DI 100
Temperature Measurement Range	0 ~ 400 °C, $\leq \pm 0.5$ °C
Differential Measurement Range	0 ~ 100 Pa (MAX), $\leq \pm 2$ Pa
Emission Flow Measurement Range	0.25 ~ 0.8 m ³ /s (MAX), $\leq \pm 1.5\%$ F-S
Mass Flowmeter Measurement Range	0 ~ 3.5 g/s, $\leq \pm 1\%$ F-S
Oxygen Relative Concentration Range	16% ~ 21%, 100×10^{-6}
CO ₂ Relative Concentration Range	0% ~ 10%, 100×10^{-6}
Flue Transmission Rate	0% ~ 99.9%, $\leq \pm 1.5\%$ F-S
Burner Ignition Method	Automatic high-voltage electronic igniter
Safety 1	Explosion-proof switch solenoid valve
Safety 2	High frequency response flame detector
Safety 3	High-frequency electronic igniter
Safety 4	Domestic well-known brand gas hose
Safety 5	Full flame detection software monitoring
Combustion Chamber Area (L x W x H)	3200 x 3200 x 4300 mm
Cabinet Computer Table (L x W x H)	1200 x 800 x 2000 mm
Flue Gas Treatment System	Microfabrication water mist swipe flue gas treatment
Total System Power	380V, 5 kW, cable length: 2 m
Housing Material	Full steel frame, painted panels, plasterboard

*Calibration gases (O₂, CO₂, propane) not included (transport)