

## ISO 5657

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#### SCOPE

The device is used to determine the flammability of building products (materials, composites and components).

#### PRINCIPLE

The specimens are exposed to thermal radiation of 10 to 70 kW/m<sup>3</sup> generated by an electric cone radiator. During this process, the specimen is pressed against a contact plate with a defined force. In addition, the gases detaching from the specimen are ignited by means of a cyclically applied pilot flame. The time that elapses until the specimen ignites is measured.

#### FEATURES

The recording of measured values and the calculations required by the standard are also performed automatically with the aid of the integrated PC. The results are output to a measurement file.

#### SCOPE OF DELIVERY

Test device with radiation cone 3 kW, pilot burner cam-controlled, auxiliary burner pilot flame, contact plate with adjustable stop, rocker with adjustable weight,  
Specimen holder  
Dummy specimen holder  
Shielding plate  
Control cabinet incl. PC, power supplies, USB module, gas flow controller electronic, solenoid valves, check valve, temperature controller

Heat flow sensor type Schmidt-Boelter, measuring range 0 - 100 W/m<sup>2</sup>

Monitor 24", keyboard, mouse

Software

MS Windows 10 Professional

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MSS-DAQ

#### DIMENSIONS

Width depth height (test stand):

approx. 550 x 340 x 600 mm\*

Weight: approx. 100 kg\*

Width depth height (control cabinet):

approx. 553 x 800 x 643 mm\*

Weight: approx. 40 kg\*

#### SUPPLIES

Electric power 400 VAC 50/60 Hz, power consumption approx. 5 kVA

Propane gas, purity > 95 %

Compressed air, oil-free, inlet pressure 6-8 bar

#### TO BE PROVIDED BY THE CUSTOMER

Exhaust air system for the extraction of the fuel gases

Balance, capacity 5 kg, 0.1 g resolution

Oven, ventilated, 250 °C

Conditioning chamber, temperature 23±2 °C, 50±5% humidity

Test chamber draught-free, air velocity < 0.2 m/s

\* Our products are constantly evolving. For this reason, the actual dimensions may differ.

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