

Test Apparatus HDB/V

Test apparatus with manual burner slide rest for determining the ignitability when subjected to direct impingement of flame in accordance with EN ISO 11925-2: 2020 and DIN 4102 T1* * Specimen holder according DIN EN ISO 11925-2: 2020 Fig. 3 a)

TEST DEVICE V: 20 or V: 21 with specimen holder

BURNER SUPPORT manual front-mounted with test time control

BURNER acc. DIN 50051 or DIN EN ISO 11925-2: 2020

COMBUSTION CHAMBER made of sheet steel with austenitic structure



Special features at a glance:

Observation and evaluation
of flame development
by the tester



Manual logging of
test results



device safety
safety valve
emergency stop button
thermocouple



Product description:

To determine the flame behavior of building and insulation materials, the burner with a 20 mm high flame is manually guided to the test specimen using a sliding device. The burner automatically pivots to the 45° test position. After the relevant flame exposure time, it must be retracted. A test time control emits acoustic signals for the flame exposure and observation time. The tester can concentrate fully on the flame development. Equipped with a thermocouple, a gas control system, and an emergency stop switch, the device complies with the European Machinery Directive. The thermocouple also serves as the spacer for flame height measurement.



Technical Data:

Dimensions:	Total net mass:	Connection / power supply:	Space requirements:
w 860 mm x d 450 mm x h 810 mm	50 kg	Voltage: 220 V, 50 Hz Gas: propane/ butane DIN 51622	w 1000 mm x d 500 mm x h 900 mm

Equipment:

Testing and operating comfort

- ✓ easy handling thanks to self-aligning specimen holders that can be tilted by 90°
- ✓ integrated burner flame height setting gauge for 20 mm burner flame
- ✓ burner flame ignition device with piezo high-voltage igniter
- ✓ burner automatically swivels to the test position of 45°
- ✓ signal tone when the flame and test time expires

Device safety

- ✓ thermoelectric burner flame safety device
- ✓ safety valve to shut off the gas supply
- ✓ Emergency stop button

Standard equipment

- ✓ small bottle regulator 100 mbar (10 kPa) with gas hose, steel pipe and screw connections
- ✓ fine adjustment valve for precise adjustment of the burner flame height
- ✓ adjustment tips for positioning the burner for surface and edge flame application
- ✓ adjustment plate for measuring mark marking

Optional

- ✓ specimen holder for loose fillers (optional)
- ✓ adjustable fan with aluminum flexible hose Ø 150 mm (optional)
- ✓ fine dust filter with pipe socket Ø 150 mm with measuring point for sensor (optional)
- ✓ anemometer with sensor for the exhaust air speed (optional)

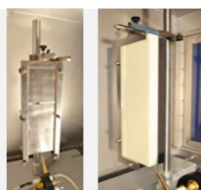
Test device versions:

Test device V: 20 for mainly monolithic products



- test specimen can be swiveled 90° around the vertical axis
- specimen holder according to DIN EN ISO 11925-2: 2020 Fig. 3a)
(to test the vertical edge, the specimen holder according to DIN EN ISO 11925-2: 2020 Fig. 3b) can optionally be used)

Test device V: 21 for monolithic and multilayer products



- test specimen can be swiveled 90° around the vertical axis
- specimen holder according to DIN EN ISO 11925-2: 2020 Fig. 3a) and 3b)
- sliding device for convenient flaming of the vertical edges of multilayer products

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