Test Apparatus CDB/V

Test apparatus with motor driven burner slide rest and flame image recording for determining ignitability under direct flame exposure in accordance with DIN EN ISO 11925-2: 2020 and DIN 4102 T1* *Specimen holder according DIN EN ISO 11925-2: 2020 Fig. 3 a)

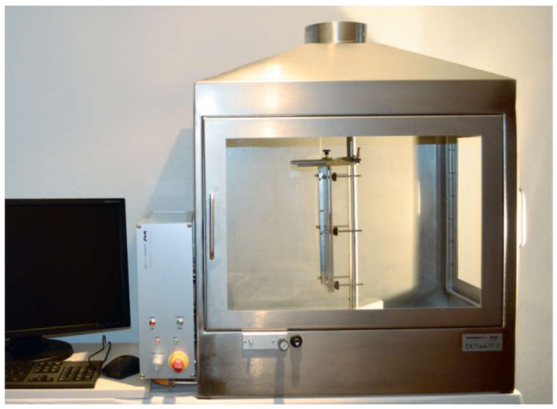
TEST DEVICE V: 10 or V: 11 with specimen holder

BURNER SUPPORT motor driven from the side

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

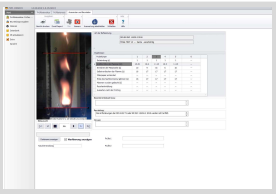
COMBUSTION CHAMBER made of sheet steel with austenitic structure

PC with LED screen

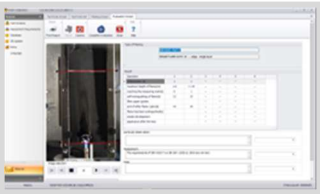


SOFTWARE for automatic image capture with automatic logging

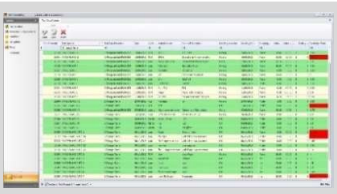
computer-controlled test procedure



recording of flame development



automatic evaluation and logging



database-supported documentation

Special features at a glance:

comfortable easy-to-use testing

automatic determination of flame limits

protocol with automatic assessment

device safety
safety valve
emergency stop button
thermocouple

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Product description:

To determine the flame behavior of building and insulation materials, the burner with a 20 mm high flame is guided to the test specimen via a PC-controlled automatic feed and then moved back again after the relevant flame exposure time. When moving forward, the burner automatically swivels into the test position of 45°. An acoustic signal announces the end of the test time. The computer-controlled test sequence with image capture is used to record the flame development with automatic evaluation and logging, as well as for database-supported documentation. A safety valve is controlled by means of a thermocouple - the tip of which also serves as a gauge for setting the burner flame height - which interrupts the gas supply if the burner flame goes out accidentally. Together with an emergency stop button, this device represents an essential element for device safety in the context of the European Machinery Directive.

.Technical Data:

Dimensions:	Total net mass:	Connection / power supply:	Space requirements:
w 920 mm x **d** 450 mm x **h** 810mm	50 kg	Voltage: 220 V, 50 Hz Gas: propane/ butane DIN 51622	**w** 1200 mm x **d** 500 mm x **h** 900 mm

Equipment:

Testing and operating comfort

- ✓ computer-controlled test procedure with image capture
- ✓ recording of flame development
- ✓ automatic evaluation, assessment and assessment of results
- ✓ database-supported documentation and automatic report creation (languages: German, English, French)
- ✓ 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
- ✓ start the test body flame application using a toggle switch on the burner box or by clicking the mouse on the PC screen
- ✓ PC-controlled burner automatically swivels to the test position of 45°

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: 10
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: 11
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

For more information visit our homepage www.pum-olching.com
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