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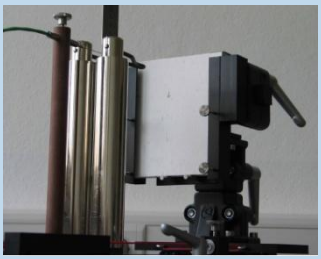
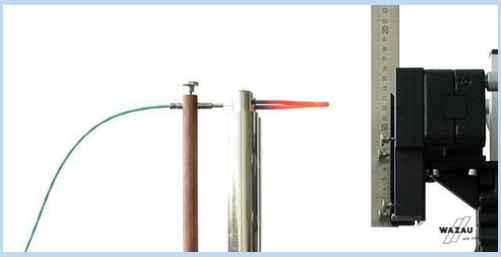
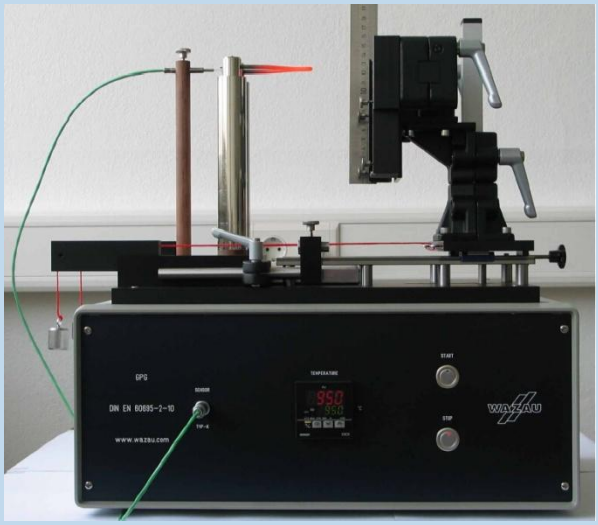
GPD 灼热丝试验机

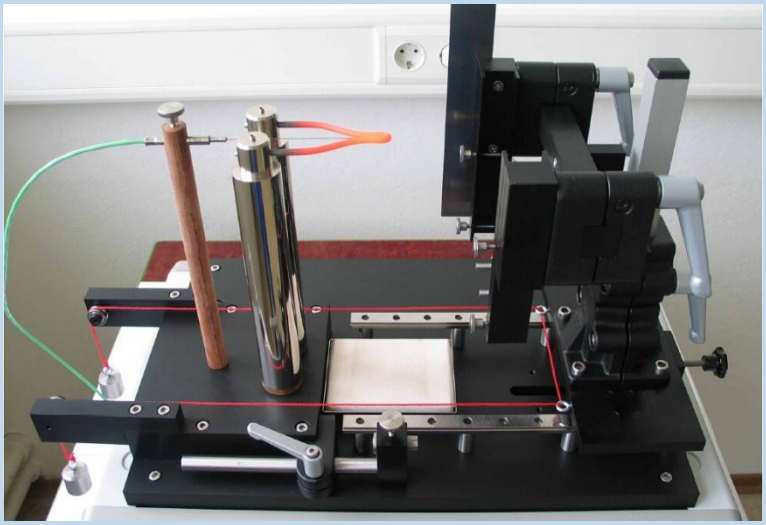
DIN EN 60695-2-10

GB/T 5169.10-2006/IEC 60695-2-10:2000









使用灼热丝进行测试以评估火灾危险

产品描述

特点：

使用灼热丝进行测试以评估火灾危险。

应用领域：

主要用于模拟灼热元件或过载电阻之类的热源或点为源在短时间所造成的热应力，适用于电工电子产品，家用电器及其材料进行着火试验，也用于无火焰引燃源着火试验，以测定相关材料的灼热丝起燃温度和可燃性，耐燃指数。

简要介绍：

该装置以灼热丝作为火源，测试电工产品及材料的抗火性能，符合 DIN EN 60695-2-10。为了指令变量（灼热丝）有稳定的电压，且不允许反馈信号（热电偶）反馈到温度控制器，温度控制器采取手动模式设定和调节灼热丝的温度。灼热丝温度可调从室温调节到 1000°C。灼热丝温度由 K 型矿物绝缘金属覆套热电偶（1 级）测量，符合 IEC 60584-2。在测试过程中样品向灼热丝前后移动的速度是 11 mm/s。样品曝露在灼热丝的时间由石英控制，是 30 s。试验时用 1N 的力将样品板拉向灼热丝。样品夹安装样品的尺寸是 50 x 120 mm 到 120 x 120 mm，样品的最大允许厚度是 20 mm。

技术参数

样品：	合成材料
测试标准：	DIN EN 60695-2-10
传感器：	温度
电源：	230 VAC / 550 VA
设备尺寸：	470 x 350 x500 mm (W x D x H)
重量：	40 kg

Characteristics

Tests with a glow wire for evaluating fire hazard.

The device is used to test the fire resistance properties of electrotechnical products and materials under DIN EN 60695-2-10. A glow wire is used as the fire source. The temperature of the glow wire is set and adjusted using a temperature controller which is set to manual mode during testing in order to have a fixed voltage in the command variable (glow wire) and not to allow a feedback of the command signal (thermocouple) to the temperature controller. The temperature of the glow wire is adjustable from room temperature up to 1000°C. The temperature of the glow wire is measured by a type K mineral-insulated metal-sheathed thermocouple (Class 1) under IEC 60584-2. During the test the specimen is moved back and forth towards the glow wire with a fixed velocity of 11 mm/s. The exposure period of the specimen to the glow wire is controlled by a quartz and is 30 s. The specimen plate is pulled to the glow wire with a force of 1 N during the test. The specimen holder allows specimen from 50 x 120 mm to 120 x 120 mm. The thickness of the specimen can be at a maximum of 20 mm. The power supply is provided by an IEC-320 AC power cordset 230 VAC (50/60 Hz).

Technical specifications

Geometry of specimen:	Synthetic materials
Testing standards:	DIN EN 60695-2-10
Sensory functions :	Temperature
Power input:	230 VAC / 550 VA
Dimensions (testing device):	475 x 350 x 500 mm (W x D x H)
Weight (testing device):	ca. 40 kg