

TSP – Smoldering Test Device

Measurement method	Determining a building product's propensity to undergo continuous smoldering in accordance with DIN EN 16733:2016
Sample dimensions (L x W x T)	800 mm x 300 mm x ≤ 100 mm
Sample holder	▪ Frame, stainless steel (H x W): 850 mm x 300 mm ▪ 4 clamp holders for sample, stainless steel ▪ 2 pads: 50 mm x 50 mm x 100 mm ▪ Support plate for 6 thermocouples
Burner	▪ Horizontally arranged Teclu burner ▪ Linear profile rail guide with adjustable stop and protective cover ▪ Flow meter with regulator
Gas for burner	Propane gas: ≥ 95% purity, mass flow: 100 g/h ±5 g/h*
Thermocouples	▪ 6 NiCrNi type K mantle thermocouple, Ø 1.5 mm (sample) ▪ 1 NiCrNi type K mantle thermocouple, Ø 1.5 mm (air)
Construction	▪ Support plate, stainless steel, adjustable feet ▪ Holder for rail guider ▪ Holder for flow meter ▪ Module for data logging - 8 thermo-voltage inputs - 1 USB interface
Operating conditions	Temperature: 20°C ±10 K, relative humidity: 50% ±20%
Dimensions (W x D x H)	400 mm x 800 mm x 885 mm
Weight	27 kg
Scope of delivery	▪ 1 base plate with sample holder ▪ 1 Teclu burner with rail guide ▪ 7 NiCrNi thermocouples ▪ 1 module for data logging ▪ 1 flow meter ▪ 1 frame for samples with low thickness ▪ 1 CaSi extinguishing plate, 850 mm x 350 mm x 10 mm ▪ 1 manual, English ▪ 1 software logger 2018
Options	▪ 1 digital anemometer ▪ 1 grid box for loose material ▪ 1 PC or notebook

* Gas to be provided by the user