NGB · 1221 · Technical specifications are subject to change.

Technical Specifications



TDP T4 – Fire Testing Device for Roofs Determination of the performance of roofs exposed to external fire – Test 4 in two stages incorporating incendiary device, wind and supplementary radiant heat in accordance with DIN CEN/TS 1187 Radiant panel, framed by stainless steel; outer dimensions (W x H) 915 mm x 915 mm e consisting of four individual square surface radiant heater elements, each 300 mm x 300 mm, fed with propane e Equipped with four ignition electrodes Burner Burner Fed with city gas e With needle valve, pressure reducer and gas supply hose Mobile sample carrier trolley; stainless steel e Semicircular sample covery, opening on the top; stainless steel; with fireproof observation window; slewable e Metal sample holding frame Consisting of 3 units e Consisting of 3 units e Gas mixing system; generate fuel gas/air mixtures; gas supply of radiant panel electrical control cabinet/gas control panel with touch screen for control of radiant panel and ignition electrodes e Control panel; Rittal electronic box; for control of individual device components Sample dimensions (W x H) 840 mm x 840 mm (± 10 mm) Integrated touch panel HMISTU855; touch panel screen 5 "7 color; analog; for automatic and manual control of all individual components Instrument dimensions Power supply* Input: 3x 400V 50Hz (3,5A/1,5kVA) e Supply: 5x 2,5mm² (16A) Media supply* Water for cooling the Schmidt-Boelter heat flux meter Propane; required pressure: 300 mbar e City gas (55.2% hydrogen, 27.4% natural gas, 17.4% nitrogen)		
Measurement method in two stages incorporating incendiary device, wind and supplementary radiant heat in accordance with DIN CEN/TS 1187 - Radiant panel, framed by stainless steel; outer dimensions (W x H) 915 mm x 915 mm - Consisting of four individual square surface radiant heater elements, each 300 mm x 300 mm, fed with propane - Equipped with four ignition electrodes - Burner lance; length of 2300 mm - Fed with city gas - With needle valve, pressure reducer and gas supply hose - Mobile sample corrier trolley; stainless steel - Semicircular sample cover; opening on the top; stainless steel; with fireproof observation window; slewable - Metal sample holding frame - Consisting of 3 units - Gas mixing system; generate fuel gas/air mixtures; gas supply of radiant panel - Electrical control cabinet/gas control panel with touch screen for control of radiant panel and ignition electrodes - Control panel; Rittal electronic box; for control of individual device components - Software - Instrument dimensions - Measuring and control unit (W x D x H) 1000 x 1000 x 1950 mm³ - Power supply* - Measuring and control unit (W x D x H) 1000 x 1000 x 1950 mm³ - Input: 3x 400V 50Hz (3,5A/1,5kVA) - Supply: 5x 2.5mm² (16A) - Water for cooling the Schmidt-Boelter heat flux meter - Propane; required pressure: 300 mbar		TDP T4 – Fire Testing Device for Roofs
outer dimensions (W x H) 915 mm x 915 mm Consisting of four individual square surface radiant heater elements, each 300 mm x 300 mm, fed with propane Equipped with four ignition electrodes Burner Burner Burner Bur	Measurement method	in two stages incorporating incendiary device, wind and supplementary
Burner	Heating unit	outer dimensions (W x H) 915 mm x 915 mm Consisting of four individual square surface radiant heater elements, each 300 mm x 300 mm, fed with propane
Sample holder Semicircular sample cover; opening on the top; stainless steel; with fireproof observation window; slewable Metal sample holding frame Consisting of 3 units Gas mixing system; generate fuel gas/air mixtures; gas supply of radiant panel Electrical control cabinet/gas control panel with touch screen for control of radiant panel and ignition electrodes Control panel; Rittal electronic box; for control of individual device components Sample dimensions Software Integrated touch panel HMISTU855; touch panel screen 5 "7 color; analog; for automatic and manual control of all individual components Instrument dimensions Measuring and control unit (W x D x H) 1000 x 1000 x 1950 mm³ T4 (W x D x H) 2350 x 1700 x 2750 mm³ Input: 3x 400V 50Hz (3,5A/1,5kVA) Supply: 5x 2.5mm² (16A) Water for cooling the Schmidt-Boelter heat flux meter Propane; required pressure: 300 mbar	Burner	■ Fed with city gas
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Power supply* T4 (W x D x H) 2350 x 1700 x 2750 mm ³ Input: 3x 400V 50Hz (3,5A/1,5kVA) Supply: 5x 2.5mm ² (16A) Media supply* Water for cooling the Schmidt-Boelter heat flux meter Propane; required pressure: 300 mbar	Software	
Power supply* ■ Supply: 5x 2.5mm² (16A) Media supply* Water for cooling the Schmidt-Boelter heat flux meter ■ Propane; required pressure: 300 mbar	Instrument dimensions	
Gas supply* Propane; required pressure: 300 mbar	Power supply*	
	Media supply*	Water for cooling the Schmidt-Boelter heat flux meter
	Gas supply*	