

Flammability Tester LFLC- A11



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Flammability Tester LFLC- A11 is a horizontal and vertical flame chamber with PLC touch screen control panel. The built-in thermocouple calibration and temperature control system maintains high degree of automation. It has automatic ignition and temperature function that display temperature and time. Applicable to the single wire and cable, and soft-line horizontal, vertical combustion test. Adjustable burning time and gas flow that can be automatic / manual, vertical / horizontal switching. Designed according to the relevant provisions of UL1581-2006 1080 (VW -1 combustion test) and 1100 section (horizontal sample/FT2 combustion test) standards. It is convenient to observe and reliable.

Feature

- PLC touch screen large display
- Control system includes flow meter, combustion reducing valve and u-shaped differential pressure meter
- Test chamber consists of test part and control part
- Main fixture: Test stand and burning torch
- SUS 304 stainless steel stents and vertical point for test support
- Stainless steel coated K type thermocouple
- PID temperature controller with readings up to 1000°C
- Spraying of high anti-corrosion coat on steel seal prevents air flow while testing
- Adjustable flame height and stable flame burner in accordance with ASDM 5025-05
- Enclosure tough glass front door for observation
- Low noise industrial exhaust fan works rapidly, prevents explosion of person to gas completely

Application

It is suitable for testing the flame retardant properties of insulation layer of the cable under abnormal condition such as overheat and overflow.

Specification

Model no.	LFLC-A11
Control system	PLC touch screen display
Flame angle	Adjustable
Flame height	20 to 110 mm/min (adjustable)
Gas supply	Methane or prepared gas
Gas flowmeter	1000 ml / min
Gas press	Adjustable
Air inlet height	110 mm
Burn time	0 to 999 s (adjustable)
Nozzle diameter	9.5 mm
Nozzle length	1.65 mm
Thermal sensor	10.0 ± 0.05 g and thermocouple electrolytic copper piece
Thermocouple type	K type thermocouple (with 0.5 mm diameter stainless steelpipe coating)
Thermocouple diameter	4 mm
Cabinet capacity	4 cubic meter with glass watch door
Interior lamp source	LED lamp
Test flame rising temperature	102°C to 103°C in 56 s
After flame time	Adjustable
Sample vertical moving distance	Same as test standard UL1581
Sample horizontal moving distance	Same as test standard UL1581
Test precision	0.01 s
External dimension (W × D × H)	2100 × 1360 × 2200 mm
Power	500 W
Power supply	AC 220 V, 50 / 60 Hz
Net weight	300 kg
Gross weight	400 kg