



AGILE, ROBUST,
SMART LAB SYSTEM.
SUSTAINABILITY AND RESILIENCE.

VERTICAL FLAME PROPAGATION TESTER



Standards :

TS EN 60332 / IEC 60332

This device is designed to perform vertical flame propagation tests of cable, insulated single core wire samples, non-metallic and composite conduits, electrical insulated conductor, under a 1 kW pre-mixed flame. The device consists of metallic enclosure and ignition source.

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It creates a flame with the combination of air and propane gas and applies the flame to the cable sample for a time determined according to the cable outer diameter. The test device is designed in accordance with TS EN | IEC 60332 / IEC 61386-1 standards.



The Flame Propagation Test Apparatus consists of:

- ✓ Stainless steel made chamber, interior anti-corrosion coating for long life use.
- ✓ Stainless steel made sample support arm.
- ✓ 1 kW air-gas pre-mixed burner.
- ✓ Flowmeters for propane gas and air flow control.
- ✓ 12 L/min air flowmeter – 1.5 L/min propane flowmeter
- ✓ Individual gas and air regulators.
- ✓ Burning Angle Slope 45°
- ✓ Flame Power 1 kW

Advance:

- ✓ Flame height measuring gauge.
- ✓ Adjustable flame application timer.
- ✓ Measure and monitor flame temperature with thermocouple
- ✓ Alarm at the end of application time
- ✓ Ventilation system that protects the user