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INTRODUCTION

Bunched Cable Vertical Flame Spread Tester is a series conforming to IEC 60332-3-10 (Category A~D) standards. The test measures the expansion of vertical flame to the electronically or optically vertical cable or wire using the standard ignition source while supplying a certain amount of air to a chamber of a defined volume.
Additionally, if bunched cable vertical flame spread testers burner is adjusted by 20 degrees angle, it can be measure under IEEE 383(IEEE 1202) standard. Also, if Heat Release Facility is attached, it can measure fire dynamics value as H.R.R (Heat Release Rate), S.P.R (Smoke Production Rate) and so on.

FEATURE

Test chamber has the dimension of 1,000±100(W) x 2,000±100(D) x 4,000±100(H) mm.
The bottom surface of the test chamber is higher than the ground while the rear side is supplemented with insulated material to insulate it from heat. At the lower section of the test chamber, there is a 800±20(W)x 400±10(D) sized hole at the 150±10mm position from the front side of the chamber to supply the air.
There is a 300±30(W)x1,000±100(D) sized exhaust hole at the rear corner of the top section of the test chamber to allow emission of the smoke during the test.
A flame trap is installed at the front side of the burner of the vertical flame spread tester to prevent backfire by propane to ensure the utmost safety.
Unlike the conventional IEC60332-3 equipment, the vertical flame spread tester records all control and test conditions with the computer to add user friendliness.
If stop the excessive combustion test due to Water Spray device installed for extinguish.
The program on the requirement on standard and 70,000Btu/h can be program.
Wide stainless steel ladder dimensions: 500(W) ×3, 500(H) mm.
Standard stainless steel ladder dimensions: 800(W) ×3, 500(H).
Two sets of standard propane burner and venture mixtures.
Follow the standard category can program for select a test.

APPLICATION

Wire & Cabl

Dimension

1120 mm (W) x 2200 mm (D) x 5070 mm (H)

Standards

IEC：IEC 60332-3-10：2000，IEC 60332-3-21~25：2000