

DO 160H/60G

DO 160H | DO 160-60G | FAR 25853



SCOPE OF DELIVERY

Combustion chamber with fine control valve
Module DO 160H with burner and specimen holder
Module DO 160-60g with burner and spring balance
Flame gauge
Hand stopwatch

DIMENSIONS

(W x D x H): 315 x 330 x 825 mm*
Weight: approx. 30 kg*
Installation area (W x D): approx 700 x 400 mm*

SUPPLIES

Methane, > 99 % purity,
Hose connection 6 mm

GAS VALVE

Fine control valve, mechanical

TO BE PROVIDED BY THE CUSTOMER

Flue gas exhaust system

SCOPE

Determination of fire properties of aircraft equipment (materials for cabins and cargo holds/cables).

PRINCIPLE

The defined flame exposure developed in the test method simulates the resistance of the specimens to flame exposure. In the horizontal test method (DO 160H/FAR 25853), a horizontally arranged specimen is exposed to a defined flame in a test chamber, the surface of the specimen facing the gas burner. In the 60° test, a cable is clamped at a 60° angle by means of a spring.

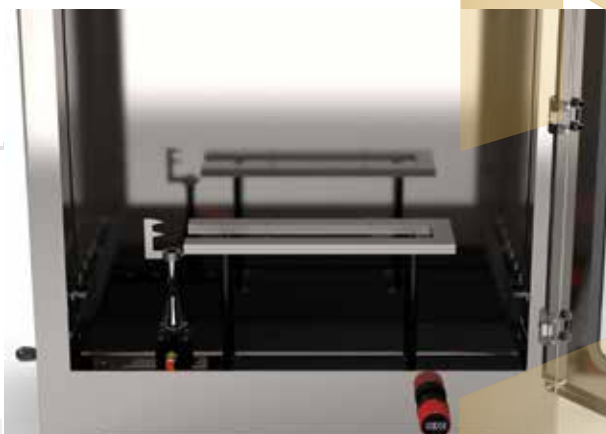
In horizontal tests, the combustion rate is determined. In the 60° test, the length of the burned area of the cable insulation is determined and whether and how long it burns.

It is tested whether burning material detaches from the sample, falls down and how long the burning time of the fallen parts is. The burning rate is also determined.

FEATURES

The combustion chamber is made of stainless steel, making it resistant to aggressive combustion products and easy to clean.

The device has one module each for the horizontal test and the 60° test. These each consist of a base plate with burner and specimen holder.



* Our products are constantly being further developed. For this reason, the actual dimensions may vary. © 10/2021