

# Fire Technical Test Chamber

## SPECIFICATIONS

It is used to perform experimental fire tests. It is a closed room with a square floor plan measuring 2,7 m and a clear height of 3,15 m separately ventilated to the roof of the building. Due to its dimensions, the test room represents a medium-sized space intended for performing experimental fire tests. The variability of experimental procedures is diverse, from recording the development of combustion of individual types of combustible materials, to verifying selected properties of building structures.

## OVERVIEW OF MEASURABLE PARAMETERS / OUTPUT INFORMATION

The available instrumentation, which is a part of the laboratory, is used to record the conditions inside the test room during each fire test. These are mainly devices and instruments:

- ALMENO measuring instrument with accessories for measuring temperature and heat flow,
- A device for measuring the optical density of smoke including accessories,
- Analysis system of combustion products (CO, CO<sub>2</sub>, O<sub>2</sub> ...) including accessories.

## TYPES OF SAMPLES SUITABLE FOR ANALYSIS/ MEASUREMENT CONDITIONS

The measurement is limited by the amount of combustion products, especially solid particles (e.g. soot) can negatively limit the function of the combustion product analyzer.

