

# Auto Ignition Furnace

## SPECIFICATIONS

The apparatus is designed to evaluate the behavior of materials during heating and allows the choice of conditions in a wide range. The heating temperature can be selected from ambient temperature to 600 °C, with programmable temperature rise. The composition of the atmosphere is also optional. During the measurement, the temperature is measured and recorded. The products of thermal decomposition or combustion are led to an analyzer (FTIR spectrometer or other).

## MEASURING METHODS

This is a unique device, so standardized methods are usually not used. It is designed for solving complex operational and industrial applications.



## OVERVIEW OF MEASURABLE PARAMETERS / OUTPUT INFORMATION

Measurable parameters are temperature, composition of gaseous mixtures, weight loss, changes in the structure of the evaluated material, the rate of changes, etc.

## TYPES OF SAMPLES SUITABLE FOR ANALYSIS / MEASUREMENT CONDITIONS

Flammable liquids and solids or substances which decompose and change as a result of heating. The use of explosives, highly toxic and corrosive substances is not permitted.