

# Determination of a Flash Point Using an Open Crucible Method by Cleveland

## SPECIFICATIONS

The apparatus is designed to determine the flash point and fire point of flammable liquids, especially petroleum products, with a flash point above 79 °C. Flash point and fire point are indicators of the ability of a flammable liquid to form an explosive mixture with air under controlled conditions and subsequently burn.



## MEASURING METHODS

ČSN EN ISO 2592 (2004): Determination of a flash point and fire point - An open crucible method by Cleveland.

## OVERVIEW OF MEASURABLE PARAMETERS / OUTPUT INFORMATION

On the basis of the values of the flash point and fire point, it can be determined, according to the ČSN 65 0201 standard, whether it is a flammable liquid and it can also be classified into hazard classes I to IV. Based on the classification, the safety conditions for the handling and storage of flammable liquids are solved and the areas with flammable liquids are assessed.

## TYPES OF SAMPLES SUITABLE FOR ANALYSIS / MEASUREMENT CONDITIONS

Petroleum products, flammable liquids in general and their mixtures with flammable and non-flammable liquids. For evaluating fuel oils other methods are more suitable.