

Explosion Chamber VK-100

SPECIFICATIONS

The VK-100 explosion chamber has a combustion chamber volume of 100 liters and is intended for determining the lower (upper) explosive limits of flammable gases, vapours of flammable liquids, dusts and their combinations, as well as determining the limiting oxygen concentration.

MEASURING METHODS

It is a device developed and designed by the FBI, the working procedure is based on:

ČSN EN 1839 - Determination of explosion limits and limiting oxygen concentration (LOC) for flammable gases and vapours;

ČSN EN 14 034 - 3 - Determination of explosion characteristics of dust clouds - Part 3: Determination of the lower explosive limit LEL of the dust clouds

ČSN EN 14 034 - 4 - Determination of explosion characteristics of dust clouds - Part 4: Determination of the limiting oxygen concentration LOC of the dust clouds.

OVERVIEW OF MEASURABLE PARAMETERS/ OUTPUT INFORMATION

Determination of lower (upper) explosive limits of flammable gases, vapours of flammable liquids, dusts and their combinations, as well as determination of the limiting oxygen concentration. Combustion chamber volume 100 l. Lower explosive limit LEL - dusts, gases and vapours of flammable liquids. Upper explosive limit UEL - gases and vapours of flammable liquids. Limiting oxygen concentration LOC.

TYPES OF SAMPLES SUITABLE FOR ANALYSIS / MEASUREMENT CONDITIONS

Flammable dusts, gases and vapours of flammable liquids and their combinations.

