

Conference application form

Name of the organization _____

Mailing address _____

Phone _____ E-mail _____

Member information: _____

Full Name _____

Scientific degree, academic title _____

Place of work (studying), position _____

Participation form (full-time / correspondence) _____

Section _____

Example of abstract design:

UDC351.861

DEVELOPMENT OF DEVICE FOR MONITORING PRODUCTION OF TRANSPORTATION DANGEROUS GOODS RESOURCE

Troitsky V.V., Candidate of Engineering Sciences, Associate Professor
National University of Civil Defense of Ukraine

The known monitoring means for technical condition of dangerous goods during its transportation have a complex design, due to the presence of a cumbersome discrete meal counting mechanism.

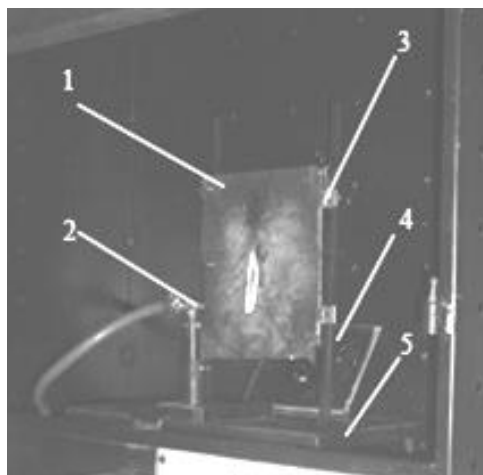


Fig. 1. Appearance of the test facility: 1 - sample; 2 - burner; 3 - sample holder; 4-mirror; 5-base of installation.

For complex gas-air mixture of defined composition of MB calculated by the Le Chatelier formula [1]:

$$\Pi = \frac{100}{\frac{k_1}{n_1} + \frac{k_2}{n_2} + \dots + \frac{k_n}{n_n}}, \%, \quad (1)$$

where Π - is the explosive limit (upper and lower); $k_1, k_2 \dots k_n$ - concentrations of combustible components as a percentage of the volume of the combustible mixture; $n_1, n_2 \dots n_n$ - the corresponding MB of the pure components of the mixture as a percentage by volume.

For naturally occurring substances (mixtures of hydrocarbons, solvents, etc.), the data calculated by expression (1) are in good agreement with the experimental data.

REFERENCES

1. Radaev NN RisksChN natural and technogenic character / NN. Radaev // Risk Management. – 2012. – No 2. – P.24-31.