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METHOD FOR ASSESSING ENERGY LIMITED SUPPLY SOURCES, DESIGNED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

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Abstract

The purpose of this paper is to analyse the results of a new experimental method for the evaluation of energy supply of electrical circuits used in potentially explosive atmospheres, enabling a more accurate and thorough assessment of the processes. It is expected the improvement of energy transfer parameters of circuits deserving equipment used in potentially explosive atmospheres, by keeping the security level required by the technical rules in force.

Key words: energy limited supply, intrinsic safety systems, potentially explosive atmosphere

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