

## Preparation Control Information and Analyzing of Metering Gas System Based of Orifice Plate

**Authors :** A. Harrouz, A. Benatallah, O. Harrouz

**Abstract :** This paper presents the search for errors in the measurement instruments in a dynamic system of metering liquid or gas and sees the tolerance defined by the international standards and recommendations. We will implement a program on MATLAB/Simulink which is calculated based on the ISO-5167. This program will take the system parameters on considerations such as: the willingness plates, the size of the orifice, the given design conditions, reference conditions, find pressure drop for a given flow, or flow for a loss of given load. The results are considered very good and satisfactory because the errors identified of measuring instruments system are within the margin of error limit by the regulations.

**Keywords :** analyzing, control, gas, meters system

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