

## ESTIMATING THE STATISTICAL PARAMETERS FOR DATA SAMPLES IN AN EXPERIMENTAL INSTALLATION

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**Abstract:** The paper presents the estimation of the statistical parameters for experimental data collected in an installation consisting of several water meters. The experimental installation is used for the estimation of the statistical parameters for certain data samples. The water meters in the installation are of the same type and the same precision class – class B, mounted in the apartments from a block of flats. The installation considered was used for measuring the individual consumption of the water volume during a month four months; in each month the individual consumption was considered. The appropriate data analysis was performed on the experimental data collected from the water meters in the experimental installation, data being grouped in a certain number of samples.

**Key words:** Reliability, estimation, statistical parameters, histograms, water meters.