

New Method for Measuring the Viscosity of Liquids

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To maintain various technological processes, it is necessary to know the viscosity index of the fluids involved in these processes. Also, viscosity is an informative indicator of the quality of the final product in various industries. Existing viscometers are either based on mechanical measurements or require lengthy calibrations and ideal conditions of use. The project represents a new method of viscosity analysis based on the phenomenon of the appearance of a braking torque on the shaft of an electric motor, when certain bodies rotate in a liquid with its help. The developed device makes it possible to determine the viscosity quickly in a digital form with high accuracy.

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