A method of direct simultaneous meashurment melt glasses viscosity and density

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A method of ensuring direct melt glasses temperature dependance of viscosity and density measurements without preliminary calibration is described. The melt volume and velocity of a ball moving in a melt where determined from the computer analysis of a digital X-ray-TV image of the cell. So there where realised the dilatometric method of density and Stokes method of viscouse meashurments. The only velocity of steel ball's dencity was used from reference literature. The experimental results and error estimation of meashurments in Na₂O - SiO₂ - Al₂O₃ system is described.