

# On the Accuracy of Methods for Measuring the Capacity of Tanks

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## key words

GOST, verification procedure, verification, reservoir, approved measuring instrument, technical device

We have reviewed the main types and metrological characteristics of tanks, as well as problematic issues related to classifying tanks as approved measuring instruments, which are subject to N 102-FZ On ensuring the uniformity of measurements. According to GOST 8.587–2019, the tank is not a measuring instrument, however, this technical instrument must be calibrated or calibrated, although such procedures are carried out only for measuring instruments. The current situation arose due to contradictions in terms and definitions, as well as due to the difference in concepts and definitions in N 102-FZ and RMG 29–2013. Having studied the situation, we consider it appropriate to amend the regulatory and technical documentation that establishes approvals for the type of measuring instrument (tanks of all types), verification (calibration), and also develop design documentation for tanks in order to accurately reproduce the technical and metrological characteristics during their manufacture and operation.

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