

The present invention relates to a system for measuring gas flow rate and volume that can be used for checking and calibrating gas meters and gas volumetric flow meters. The proposed system contains a measuring vessel, an accumulating vessel, a pump, valves, a level transducer, a monitoring and control unit, a temperature transducer, a pressure transducer, two electropneumatic control valves, a pressure vessel, and pipes designed for connecting the said devices. The present invention provides a possibility to extend the measurement range and increase accuracy in measuring gas flow rate and volume.