

The invention relates to glass membrane manometers of compensation type and can be used for quantitative investigations of kinetics of thermal decomposition of polymers and powders on polymer basis. Burdon glass manometer for multiple use is a device that includes reaction and measuring vessels and thin-wall glass membrane with kidney-shaped cross section that has pointer at the end. Reaction and measuring volumes are connected with connection tube. Reaction vessel of manometer consists of two split parts in walls of which there are openings placed in one horizontal plane. The invention provides multiple use of manometer.