

ABSTRACT

This practice report examines general information about weighting systems and sensory elements. The description of the design is given. The principle of operation of shock-resistant weights is described. The classification of sensitive elements is listed. The basic technical parameters are indicated. The advantages and disadvantages of a sensitive element are considered. The criteria and numerical characteristics of the metrological parameters of the sensitive element, which work under pulsed loads, are formed. A universal mathematical model of the weighing system was developed.