

A device for real-time control of mechanical part of the rolling stock of railroads is equipped with a board recorder located on a unit of rolling stock with an unit of control of longitudinal vibratory accelerations, which sensor is fastened on the frame of the unit of rolling stock, a control unit of the temperature of housings of bushings with sensors located on the external surface of each housing of bushing, a control unit of the frequency of rotation of wheel pairs with sensors located on each wheel pair, a control unit of the parameters of operation of braking device, which sensors are located on the braking device of rolling stock, a control unit of the parameters of angular and linear vibrations of the carts of rolling stock, which sensors are fastened on the bogie frames, a control unit of the parameters of operation of shock absorbers of rolling stock, which sensors are located on each of shock absorbers; an operational post located on the locomotive of the train with unit of reception of signals about exceeding of tolerance levels of controlled parameters, and a display unit of information; stationary posts of analysis and storage of controlled parameters of technical state of mechanical part of rolling stock of railroads located in the depot of initial and terminal points of the movement of train.