

The proposed system for weighing railway cars and trains in motion contains strain gage transducers, which are installed at the measuring section of the railway track. Each rail at the measuring section is fixed to a longitudinal beam that is fixed to sleepers and ensures the required stiffness of the structure of the measuring section. Between the rail and the longitudinal beam, a gap is provided. The proposed method for identifying railway cars and trains in the weighing process implies recording and processing the data obtained in the weighing process with consideration for the length of the time interval, within which a car axis is at the measuring section of the railway track.