

The invention relates to the field of sports metrology, particularly to methods for determining the motion activity of human body.

The method for determining the motion activity of human body consists in that in significant human body points it is placed a device for determining the motion activity thereof, including two displacement measuring transducers, and the signals received from the transducers are recorded. By means of the transducers there are measured the linear displacements towards the direction of mutually perpendicular axes X and Y and the inclinations in the plane XY. The signals received from the outputs of all transducers are transmitted through an analog multiplexer to an analog-to-digital converter, are encoded, on their basis there are calculated the equivalent values with the motion activity and recorded in the flash memory, the data of which are read by means of a high-speed USB interface of an external computer.

The device for determining the motion activity of human body comprises two displacement measuring transducers (1, 2), an analog multiplexer (3), the inputs of which are connected to the outputs of the transducers (1, 2), an analog-to-digital converter (4), the input of which is connected to the output of the analog multiplexer (3), a microcontroller (5), the input of which is connected to the output of the analog-to-digital converter (4), a flash memory (6) and a high-speed USB interface (7), the inputs/outputs of which are connected to the microcontroller (5). Each transducer (1, 2) is made with the possibility of measuring the linear displacements towards the direction of mutually perpendicular axes X and Y and the inclinations in the plane XY.

Claims: 2

Fig.: 1

