

The paper proposed a noise-immunity human blood pressure measurement system. Noise immunity achieved by combining the two methods of measuring pressure in one system: oscillometric method with reference channel, which based on the detection of spatially separated pulse signals and tachoscillographic method, which based on registration the oscillations in cuff. The result of system's research shows sufficiently high accuracy of blood pressure measurement by the system compared with the auscultatory method, which was used as an etalon.