

# Central Office of Measures

<https://www.gum.gov.pl/en/domains/acoustics-ultrasound-an/225,Acoustic-and-Vibration-Laboratory.html>  
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## Acoustic and Vibration Laboratory

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### Tasks:

Maintenance and development of national standards of sound pressure and vibration quantities and ensuring their traceability to the national standards in other countries through participation in key comparisons.

Ensuring measurement traceability in the field of acoustics and mechanical vibration and shocks.

Conducting research and development works in the field of acoustics and mechanical vibration and cooperation in this field with domestic and foreign institutions.

Calibration, testing and expertise of measuring instruments used for acoustic measurements as well as vibrations and mechanical shocks.

Participation in standardization work, national and international, on the development of standards for instruments for acoustic and mechanical vibrations measurements.

Development of metrological infrastructure and competence of staff in the field of medical ultrasound.

Development of metrological infrastructure in the field of under - water acoustics.

### Services:

- Primary and secondary calibration of measurement microphones.
- Primary and secondary calibration of vibration transducers.
- Calibration, testing and expertise of measuring instruments used for acoustic measurements as well as vibrations and mechanical shocks.
- Type approval of sound level meters.
- Organization of national interlaboratory comparisons.

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