

# Central Office of Measures

<https://www.gum.gov.pl/en/domains/length/230,Length.html>  
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## Length

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### Time and Length Department

#### Tasks:

Maintenance of the national measurement standards for length, plane angle, refractive index and optical rotation;

Ensuring traceability in the field of length, plane angle, refractometry and polarimetry;

Performing the research in the field of light frequency of stabilised lasers, measurements of length, plane angle, surface texture parameters, refractive index and optical rotation;

Performing tests and checks for the needs of legal metrological control, conformity assessment and type approval;

Organizing and taking part in national and international comparisons.

#### Services:

##### 1. Calibration of:

stabilised lasers,

gauge blocks,

laser distance meters,

optical flats,

ring and plug gauges (internal and external cylinders),

1-D measuring machines,

mechanical comparators for gauge blocks,

optical polygons, angle gauges, rotary tables, goniometers,

photoelectric autocollimators, electronic levels,

visual and photoelectric refractometers,

solid and liquid refractive index standards,

photoelectric polarimeters,

quartz control plates (polarimetric standards),

straightness and roundness standards,  
tapes (rigid, semi rigid),  
precision line scales and stage micrometres.

2. Expertise of instruments and stands for:

taximeters verification,  
tachographs checks,  
verification of devices for measuring the speed of vehicles in traffic control.

3. Manufacturing of the certified reference materials:

glycerol,  
sucrose.

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