



MICROMETER

The technology of non-contact laser scanning is actively developing worldwide. Various industries and science demand new applications for laser scanners. For example, the development of cognitive technologies in robotics has led to further improvement of contactless control technologies.

Our main products

Optical micrometer

Principle of operation:

- Optical micrometers are intended for contactless measurement and the control of diameters, backlashes and situations of technological objects. The micrometer consists of two modules: radiator and receiver.
- Radiation of semiconductor laser is collimated by a lens. At placement of the object in the area of a collimated beam, the generated shadow image is scanned with a CCD photodetector part.
- The geometry of the object is calculated from the position of the shadow border.

AN-21SM



Triangulation rangefinder possibilities

Optical micrometer is designed for contactless measurement and control of diameters, gaps and positions of technological objects



High precision measurements of geometric parameters and object position.



Measurements of the dimensions in cross section and average diameter of an object.



Product quality control without disassembling and dismantling.



Ability to integrate with robots, machines, automatic lines.





bringing your business
to the next level
