

The invention relates to measuring engineering, in particular to optical-electronic devices for measurement of distance to objects. Range finder consists of set of collimators each of which has objective and semiconductor laser and laser power supply block, and receiving objective, photo-receiver and electrically connected to it block for signal processing and additional collimators. Diameters of objectives of collimators and focal distances of those are not less than three times smaller than diameter and focal distance of receiving objective. All collimators are placed round receiving objective in such way that optical axles of those are parallel to each other and parallel to optical axis of receiving objective. Outputs of all the collimators are electrically connected to output of single laser power supply block. Range finder makes it possible to provide measurement of large distances to objects with diffusion-reflecting surfaces.