

## MICROPRISM STRUCTURES FOR DIAGNOSIS AND TREATMENT OF STRABISMUS



KK-42 diagnostic set



Separate microprism compensators for strabismus



DSSC-1 set of diagnostic bars with microprisms

### Areas of Application

The KK-42 microprism set of compensators for strabismus and DSSC-1 set of diagnostic bars with microprisms are used for measuring the angle of strabismus and for diagnosing eye diseases. The prism-sphere-cylinder (PSC) eye glasses are designed for the treatment of strabismus

### Specification

The KK-42 diagnostic set consists of 42 separate hermetically sealed rigid microprisms with a prismatic strength ranging from 0.5 to 30.0 prism diopters (PD). The DSSC-1 set of diagnostic bars with microprisms is designed for a range of 1-55 PD. The developed new PSC glasses have a prismatic component up to 30 PD

### Advantages

The designed sets are unique for Ukraine and CIS countries. Unlike the known world analogs, the design of new microprism devices is hermetically sealed, so the microprism optical strength does not change during operation and microrelief is protected from external damages and dirt. The optical compensators are formed by two microprism elements, so the prisms strength does not change while turning the device along its axis

### IPR Protection

IRP3

### Stage of Development.

#### Suggestion for Commercialization

IRL8, TRL8

Manufacture of diagnostic sets and bars, upon request; manufacture of PSC glasses upon doctor prescriptions. Seeking partners for making international protection documents

### Contact Information

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