

CKE-1ND collimator target sight

The CKE-1ND collimator target sight is intended for solving the task of a missile meeting its target and for directing the gunfire of ZUR-23KG guns when combating airborne targets flying at the maximum speed of 500 m/sec manoeuvring with their course, speed or moving with uniform, straight-line motion. The CKE-1ND collimator target sight enables also firing at stationary targets and ground-situated targets moving at low speeds.

The CKE-1ND collimator target sight is equipped with a night vision track, azimuth and elevation angle indicators and a laser rangefinder.

The night vision track enables simultaneous projection of a movable sight mark and an image from the night vision module on the semitransparent panel.

The laser rangefinder determines current distance from the target up to 6000 m.

The CKE-1ND is additionally equipped with a ringed-shaped (rakurs) target sight.

The CKE-1ND programmable target sight cooperates with the KOBRA system.



Basic tactical and technical data

Optical system magnifying power	1x
Night Vision module magnifying power	1x
Executable aiming angle	0 ÷ 25°
Total angle of allowance in azimuth plane (daylight sight)	36°
Total angle of allowance (night vision sight)	12°
Detection (noticing) a target during the night:	
■ single soldier	600 m
■ off-road vehicle	1500 m
■ helicopter	2500 m
Range of distances entered:	
■ by means of the manual switch	2 ÷ 30 hm
■ by means of the switch pedal	10 hm
■ automatically	2 ÷ 30 hm
Range of distance measurement by the laser rangefinder	3 ÷ 60 hm
Setting of main direction azimuth	manually
Setting of main direction elevation	manually
Range of indicated azimuth angle	0 ÷ 5999
Range of indicated elevation angle	0 ÷ 1499
Power supply	12 ± 2 V