

DATA SHEET

Vranger 39K



Vranger 39K is a robust laser rangefinder with a performance up to 39 km and a precision of ± 0.5 m over the entire range & offer uninterrupted 24/7 continuous measuring without any break.

Product specification:

PERFORMANCE CHARACTERISTICS

Maximum range	39 000 m
Range performance on beamfilling target (Reflectivity: 50 %, observer visibility 30 km)	32 000 m
Range performance on 6 m × 6 m target size (Reflectivity: 30 %, observer visibility 25km)	25 000 m
Range performance on 2.3 m × 2.3 m target size (Reflectivity: 30 %, observer visibility 10 km)	12 000 m
Precision (Depending on the distance and target reflectivity)	0.01 - 0.5 m
Continuous Measurement Mode Rates	1Hz 4Hz 10 Hz, 20Hz 100 Hz, 200 Hz, 500Hz
Multiple target detection	up to 3 targets
Wavelength (Laser safety class: 1M)	1 500 nm
Divergence	0.25 mrad
Alignment pointer wavelength (Laser safety class: 1)	635 nm

ENVIRONMENTAL CHARACTERISTICS, MEETING MIL-STD-810

Operating temperature range	-32° C to +60° C
Storage temperature range	-40° C to +71° C
Shock Test: JSS 55555 (Pulse shape: Half sine wave, 11ms, 6 shocks in each axis)	Vertical Direction: 50g Horizontal Directions: 22g
EMC	MIL-STD-461G

PHYSICAL CHARACTERISTICS

Weight	1.8 ± 0.5 Kgs
Dimensions (length/width/height)	185 (L) x 112 (W) x 87.2 (H) mm
Painting	Black (Matt finish)

INTERFACES

Communication interface	RS 422, RS 232 (on request)
Power supply	8 V – 30 V

APPLICATIONS

Sensor suites on naval vessels, airborne or ground vehicles
 Fire control systems and remote weapon stations

