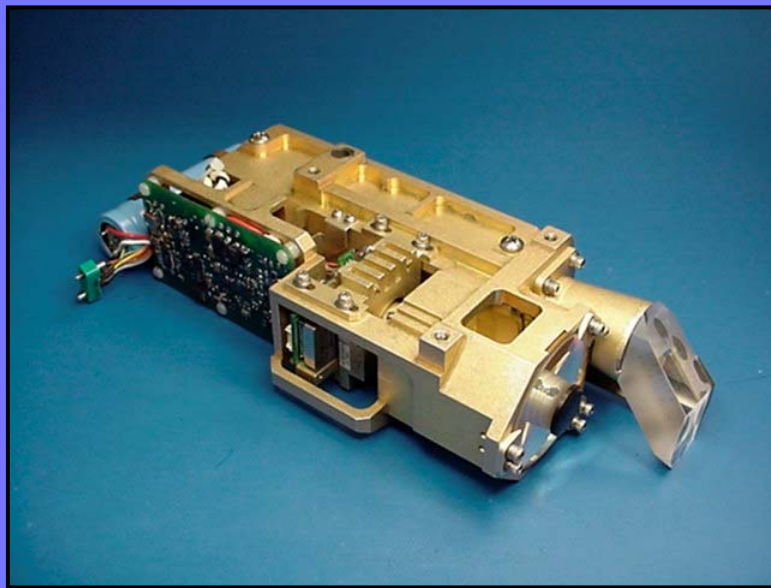


HIGH PERFORMANCE EYESAFE LASER RANGEFINDER

WITH

NARROW (0.33 MR) BEAM DIVERGENCE &

ENHANCED SENSITIVITY THERMO-ELECTRICALLY COOLED RECEIVER



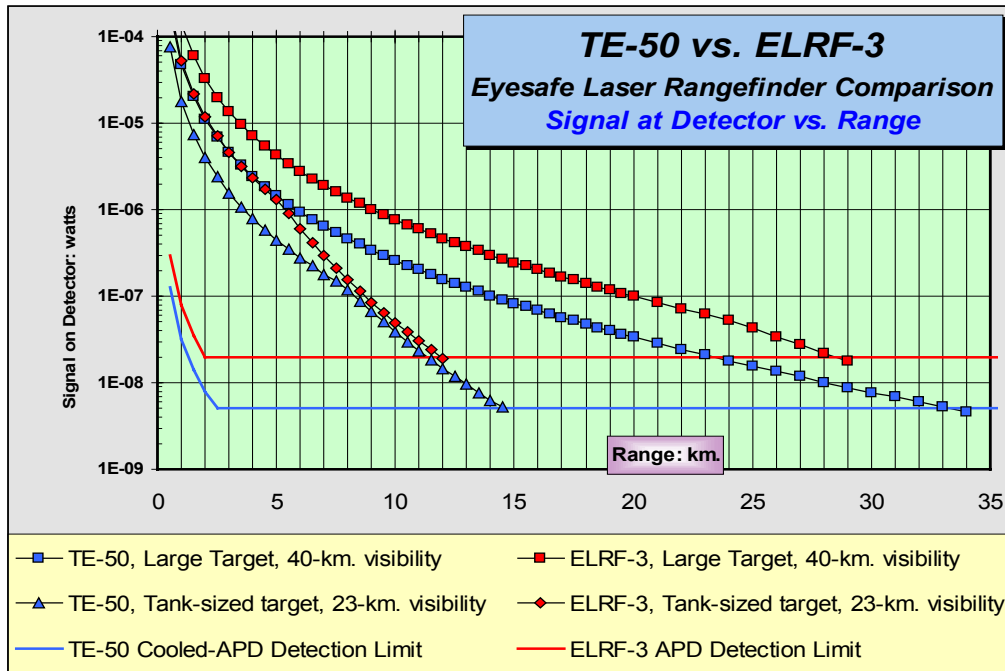
FEATURES INCLUDE:

- Compact Size & Weight
 - *22.70(L) x 9.37(W) x 5.46(H) cm*
 - *less than 1.2 Kg*
- Long Range Performance Greater Than 30 Km

SPECIFICATIONS

SUMMARY OF TE-50 HARDWARE PARAMETERS	
LASER TYPE	Erbium-Glass
WAVELENGTH	1.54 microns
ENERGY/ PULSE	7 millijoules
PULSE RATE	12 ppm STD (1 Hz optional)
RANGE RESOLUTION	± 5 m STD (± 2 m optional)
MIN/MAX RANGE	50 meters / >30 Km
RECEIVER APERTURE	5.0-cm with 1.5-cm central obstruction (4.7-cm., effective)
DETECTOR (InGaAs TYPE)	InGaAs, thermoelectrically cooled
BEAM DIVERGENCE	0.33-milliradians
COMMUNICATIONS INTERFACE OPTIONS	RS-232, RS-422 or RS-485

PERFORMANCE



The TE-50 is ideal where available space for a high performance long-range rangefinder is very limited and potential targets include small objects such as Unmanned Aerial Vehicles (UAVs) and Jet Skies. Small targets require a tighter beam divergence and more sensitive receivers to achieve longer range performance. The highly sensitive TE-cooled receiver detects targets with a minimum of reflected energy. The accompanying Performance Chart illustrates the capabilities of our Standard ELRF-3 compared with that of the **new TE-50 rangefinder which is approximately 25% smaller.**

THE TE-50 IS CAPABLE OF RANGING ON STANDARD NATO TARGET (2.3 METERS X 2.3 METERS) AT 14.5 KM AND LARGER TARGETS OUT TO NEARLY 34 KM COMPARED WITH 11 KM AND 28.5 KM RESPECTIVELY FOR THE ELRF-3 AGAINST THE SAME TARGETS UNDER THE SAME CONDITIONS.