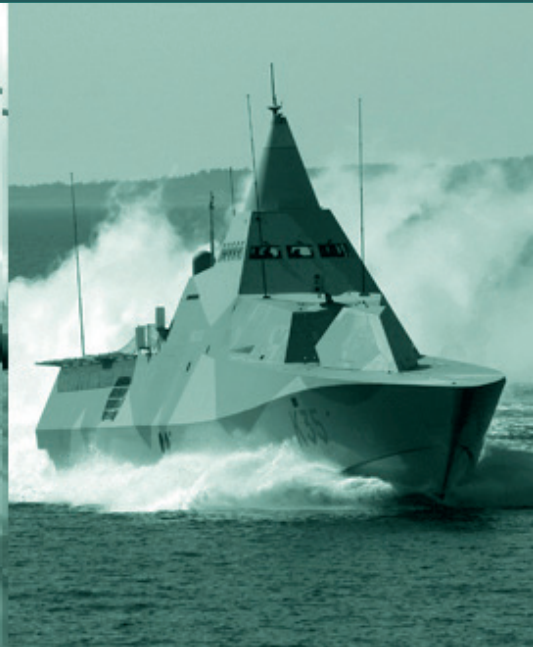


# High performance laser rangefinders for all types of applications



# Multi-domain laser rangefinders



Multi-domain laser rangefinders designed and approved for use in naval, land and airborne applications requiring a low-hazard functionality in combination with high performance.

The compact and lightweight design is ideally suited for integration with advanced fire control systems and other demanding telemetric applications.

Our laser rangefinders are based on solid-state laser technology operating at the eyesafe wavelength 1.5  $\mu\text{m}$ .

The high repetition rate makes it possible to improve system tracking accuracy of fast-moving and manoeuvring targets.

## NAVAL

- More than 60-years' experience.
- Provides accurate and instant range information.
- Long range engagements.
- High update rate.

## LAND

- Long experience of delivering lasers for land applications.
- High update rate and excellent range performance.
- Ground and air targets at a far range.
- In volume production.
- Easy to adapt to other applications.
- Variant with unique active receiver protection.

## AIRBORNE

- Fixed wing and rotary wing aircrafts.
- On-going volume deliveries.
- Long range measurements.
- High update frequency.
- Custom made designs.

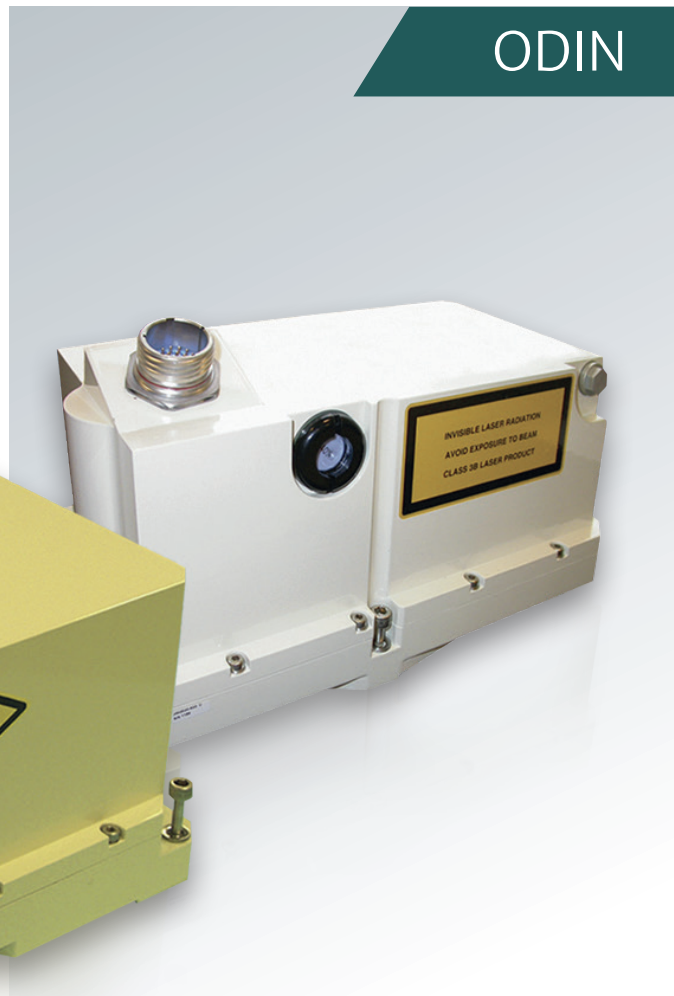


The compact and generic Vidar laser range-finder, is very suitable for naval and anti-aircraft applications. It has a high availability and low maintenance cost due to its state of the art diode pumped Erbium: glass laser. Vidar has full performance with single shots, a high repetition rate and very good long-range performance. It is also very effective against small targets such as UAVs with a small cross section area. The rangefinder is designed and verified for naval and land applications and it withstands harsh environmental conditions.



VIDAR

The Odin laser rangefinder is designed for armoured vehicle applications. It has been delivered in high volumes to many customers and is appreciated for its high quality and excellent performance, suitable against both ground and aircraft threats. Thanks to its modular design, it is easy to reconfigure for different applications. One current application is the CV90 combat vehicle.



ODIN



In addition to the great performance of Odin the Odipro also includes an active receiver protection. This makes Odipro more or less immune to retro-reflection resulting in considerable savings and much higher availability.

ODIPRO



TECHNICAL DATA AND SPECIFICATIONS

Type	VIDAR	ODIN	ODIPRO
<b>Applications</b>			
Naval applications	O		
Combat vehicles		O	O
Air defense	O	O	O
<b>Laser transceiver</b>			
Wavelength	1.5 μm	1.5 μm	1.5 μm
Pulse repetition frequency	≤12.5 Hz	4 Hz	4 Hz
Laser class	1M	3R*	3R*
Laser type	Diode pumped (Erbium: glass)	Flash light pumped (Nd:YAG)	Flash light pumped (Nd:YAG)
Receiver protection			O
<b>Range performance</b>			
Instrumented range	50 to 32,000 m	50 to 20,000 m	50 to 20,000 m
Range resolution	1 m	2.5 m	2.5 m
Range logic	Multiple targets and range gate	Multiple targets and range gate	Multiple targets and range gate
<b>Dimensions</b>			
Weight	< 5.6 kg	5 kg	5 kg
Size (l x w x h)	318x145x141 mm	350x200x180 mm	350x200x180 mm
<b>Electrical interface</b>			
Power supply	+28 Vdc	+28 Vdc	+28 Vdc
Communication	RS-422	RS-422	RS-422

\*Eye safe when integrated in sight with approx. 10 x magnification.

