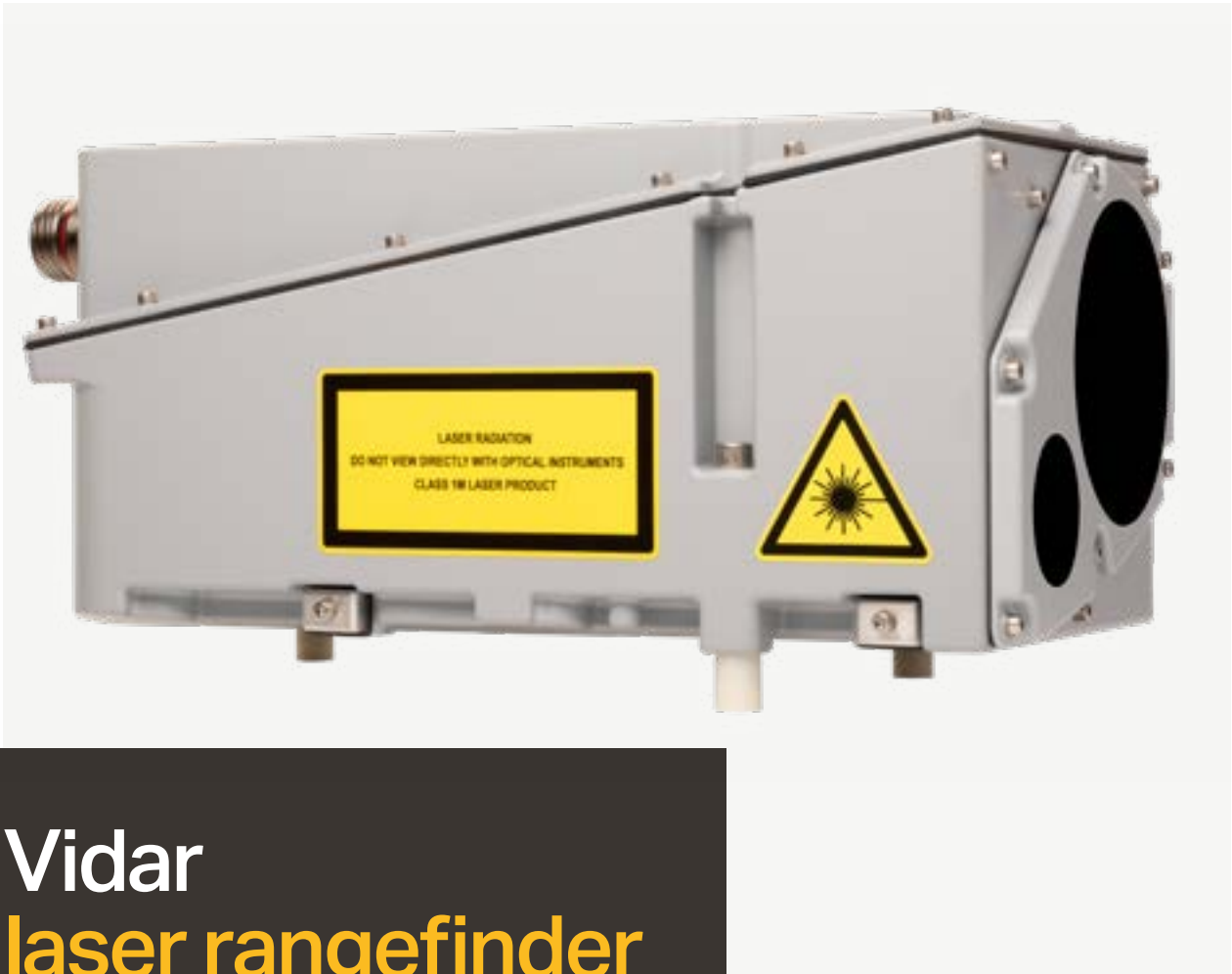




SAAB



Vidar laser rangefinder

Vidar is an advanced laser rangefinder designed primarily for anti-aircraft operations as an integral part of a weapon system or surveillance system.

The laser is designed with state-of-the-art diode pumped solid-state technology and features user-friendly interfaces. The device is compact and suitable for applications within naval or army systems.

Vidar is designed and verified to sustain long-term use in harsh environments where reliability is crucial. Vidar has a sealed and stable housing with external surface treatment for demanding conditions.

The laser rangefinder has excellent performance with a range capability of up to 40 km with a pulse repetition rate of up to 12.5 pps.

By careful selection of the laser parameters, Vidar is classified as a Class 1M laser product in accordance with EN 60825-1, IEC:2014.

- Excellent range performance
- High repetition rate
- Very high reliability
- One compact unit
- Class 1M eye safety
- Low maintenance requirement
- Low SWaP

Saab has been a leading manufacturer of military lasers since the early 1960s, with naval, airborne and army applications worldwide. Over the years, Saab has delivered more than 5000 lasers to more than 30 countries.



Vidar capabilities

Technical data

Laser emission wavelength	1535 nm
Repetition rate	Up to 12.5 pps
Extinction ratio	45 dB ¹⁾
Laser emission divergence	0.8 mrad
Laser safety class	1M
Power supply	+28 Vdc
Communication	RS422
Range accuracy	4 m
Range resolution	1 m
Weight	5 kg
Size (l x w x h)	321x145x141 mm ³

¹⁾ Extended target at 1000m, atmospheric transmission 100% and Lambertian target with 100% reflectivity.

Quality

The Vidar laser rangefinder is verified against:

- MIL-STD-461
- MIL-STD-810
- MIL-STD-1275

The rangefinder is verified for harsh environmental applications. A diode-pumped transmitter ensures long lifetime.

MTBF > 10,000 hours