



## LM-VTAL

### VARIABLE TACTICAL AIMING LASER

The Laser Module “Variable Tactical Aiming Laser” (LM-VTAL) from Rheinmetall Soldier Electronics (RSE) is a highly ruggedized, compact laser aiming and illuminating system, specifically designed to seamlessly integrate with today’s compact assault rifles and withstand the harshest conditions.

It is equipped with a powerful visible aiming laser, an IR aiming laser, an IR illuminator, as well as an illuminator for Close Quarter Battle (CQB) in a fully integrated co-aligned laser block. This innovative system provides the operator with superior illumination beam quality that increases their situational awareness in all environments. The LM-VTAL is compatible with almost all in service night vision devices.

The full metal case with integrated mount, features a flat construction so that holographic sights are not obstructed.

Eye safe training mode for effective force on force training. Laser output power is set by smart colour-coded trigger cables or dongles (RSE patent granted) e.g. white and blue for training, black and grey for operations.

Further options include Y-cables to interface to a variety of tactical lights, including the RSE TL-MissionLight.

#### FEATURES

- Electronically focusable IR illuminator
- IR aiming laser
- Visible aiming laser (green or red)
- Near field flood for indoor and outdoor use (smooth, stepless)
- All lasers co-aligned to bore sight with a single adjustment
- Laser centered on the barrel axis of the weapon
- Different laser power modes for training and combat
- Close-fitting design (when top mounted, sights are not obstructed)
- Robust lightweight with around 145 g
- Waterproof up to 30 m for 2 h (IP68)
- Powered by one IEC CR17345/CR123 battery

#### CONNECTIVITY

- Standard picatinny mount (MIL-STD-1913/STANAG 4694)
- Dongle: selection of laser power for training or combat
- Triggercable: selection of laser power for training or combat
- Y-cable: For combination with different weapon lamps (Rheinmetall or third party)
- Easy single button operation

## TECHNICAL DATA

### General

Length x width x height	95 x 60 x 45 mm
Total height from rail	26 mm
Weight incl. battery and rail mount	145 g
Battery	1 x IEC CR17345/CR123
Battery life	3 h (Dual IR 30/75 mW)
Waterproof (IP68)	30 m for 2 h
Operating temperature (STANAG 2895)	-32°C to +71°C
Test standard	MIL-STD-810



## MODE DATA

Mode	typ. wavelength	typ. output power	typ. beam divergence
Visible aiming laser <b>red</b>	640 nm	60 mW	0.5 mrad
or visible aiming laser <b>green</b>	520 nm	20 mW	0.5 mrad
IR aiming laser	850 nm	30 mW	0.5 mrad
IR illuminator w. electronic focus	850 nm	60 mW	5 mrad to 150 mrad
Near IR illuminator	850 nm	30 mW	–

*The laser output power is specified at maximum capacity and can be limited by using colour-coded remote cables.  
All parameters in the tables were measured at room temperature.*



Laser beams can cause damage to your eyes.  
The user is responsible to observe the local safety regulations.

*Subject to technical changes, error, and printing errors.*

## CONTACT US

For more information or questions about an individual configuration of the Rheinmetall Soldier Electronics products, please contact our sales consultants.

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