The Variable Tactical Aiming Laser is a highly ruggedized, compact laser aiming and illuminating system, specifically designed to withstand the demands of today’s compact assault rifles. It is equipped with a red visible aiming laser, near infrared aiming laser, as well as a near infrared illuminator. This innovative system provides the operator with superior illumination beam quality that increases their situational awareness in all environments. The VTAL is compatible with all in-service night vision devices.

The full metal case with integrated MIL-STD-1913/STANAG 4694 mount, features a flat construction so that holographic sights are not obstructed.

The VTAL features a fully integrated factory aligned laser block, making bore sight adjustments easy. Operating the Variable Tactical Aiming Laser VTAL with its ergonomically placed single push button or the remote cable is safe and straightforward.

Further options include Y-cables to interface to a variety of tactical lights, including the Rheinmetall Modular Weapon Lamp.

**CHARACTERISTICS/FEATURES**

- Electronically focusable infrared illuminator
- Powerful infrared target marker
- Easy single button operation, also via remote cable
- All lasers fully factory aligned
- Waterproof up to 30 m
- Uses only one CR123 battery

**INTERFACE TO EXTERNAL TACTICAL LIGHTS**

- Intelligent Y-cables to Rheinmetall Modular Weapon Lamp (double-click-permanent-on feature)
- Standard Y-cables for a variety of third party lamps

**WEAPON MOUNTING**

- Integrated mount to Picatinny MIL-STD-1913/STANAG 4694 accessory rails
## TECHNICAL DATA

### General
- **Length x width x height**: 91 x 57 x 42 mm
- **Height over rail**: 26 mm
- **Weight incl. battery and rail mount**: 145 grams
- **Battery**: 1x DL123
- **Battery life**: 3 h (Dual IR 30/75 mW)
- **Waterproof**: 30 m for 2 h
- **Operating temperature**: –32°C to +71°C

### Visible aiming laser
- **Max. power output available**: 70 mW
- **Wavelength**: Red: 640 nm
- **Beam divergence**: 0.5 mrad

### IR aiming laser
- **Max. power output available**: 30 mW
- **Wavelength**: 850 nm
- **Beam divergence**: 0.5 mrad

### IR illuminator w. electronic focus
- **Max. power output available**: 75 mW
- **Wavelength**: 830 nm
- **Beam divergence**: 5 mrad to 150 mrad

Laser power output is listed at max. capacity. Laser power output can be limited by color-coded remote cables for training purposes (eye-safety). All laser powers are +0%/-20% and all wavelengths are within ±10 nm over temperature range and battery life.

Rheinmetall Soldier Electronics GmbH
Bodenseeallee 3 · 78333 Stockach · Germany · sales.rse@rheinmetall.com · www.rheinmetall-defence.com