FCS-TACRAY BALLISTIC

TACTICAL LASER RANGE FINDER WITH BALLISTIC COMPUTER

The Fire Control System “TacRay Ballistic” (FCS-TRB) from Rheinmetall Soldier Electronics (RSE) includes the advanced, combat proven laserblock technology of the RSE LM-VTAL.
In addition to the powerful variable infrared illuminator and the two aiming lasers (infrared and visible) the FCS-TRB includes a tactical laser range finder (LRF) in a worldclass compact and lightweight package and a precise ballistic computer.
The high-precision LRF is integrated into the factory-aligned laser block of the FCS-TacRay Ballistic to simplify adjustment to the weapon sight.
The dimmable OLED display shows the distance to the target. With the click settings calculated by the integrated ballistic calculator, shown in the display, the shooter can adjust his scope accordingly.
All these features allow snipers with the FCS-TRB to increase and improve the first round hit probability.

FEATURES

- Electronically focusable IR illuminator
- IR aiming laser and visible aiming laser (green or red)
- All lasers and LRF co-aligned to bore sight with a single adjustment
- Ballistic calculator with integrated sensor technology – fast and accurate calculation of a ballistic solution for the acquired target
- Tactical LRF (SWIR) up to 2,500 m range on man sized targets
- LRF is always eye-safe (even in combat mode)
- Different laser power modes for training and combat
- OLED display: energy efficient, dimmable, cold resistant, automatic brightness adjustment
- Waterproof up to 1 m for 2 h (IP68)
- Powered by one IEC CR17345/CR123 battery

CONNECTIVITY

- Standard picatinny mount (MIL-STD-1913/STANAG 4694)
- Operation with cursor pad or 5-key trigger cable
- Bluetooth 4.0 (BLE)
- Several interfaces to different night vision devices and night vision goggles
- Connection to Kestrel® anemometers possible
- Connection to Applied Ballistics® App possible
- Interface to digital riflescope
- Download of customer-specific ballistic models and databases possible

TECHNICAL DATA

General	
Length x width x height	130 x 50 x 80 mm
Total height from rail	45 mm
Weight incl. battery and rail mount	315 g
Battery	1x IEC CR17345/CR123
Battery life	3 h (Dual IR 30/75 mW)
	or 800 target acquisitions
Waterproof (IP68)	1 m for 2 h
Operating temperature (STANAG 2895)	–32°C to +71°C
Test standard	MIL-STD-810

Range finder	
Measurement range	2,500 m on man sized targets
Power output	5 W pulse
Wavelength	1,550 nm
Beam divergence	1 mrad
Ballistic computer	
Type	Applied Ballistics®
Max. storage capacity	32 ammunitions types
Atmospheric sensors	Pressure, humidity, temperature
Displayed correction data	Mil, MOA, Clicks
Bluetooth	BT 4.0 (BLE)
Geodatic sensors	Inclinometer, compass

MODE DATA

Mode	typ. wavelength	typ. output power	typ. beam divergence
Visible aiming laser red	640 nm	60 mW	0.5 mrad
Visible aiming laser green	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

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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