



FCS-MR500

40MM FIRE CONTROL SYSTEM

The Fire Control System MR500 (FCS-MR500) from Rheinmetall Soldier Electronics (RSE) is a highly integrated system for 40mm low and medium-velocity grenade launchers. It can be mounted on any stand-alone, underslung or multiple grenade launcher via Picatinny rail.

Its unique light weight construction adds just a little over 300 grams to the host weapon. In addition, the FCS-MR500 supports the use of various weapons, top sights and ammunition types including Air Burst Munition (ABM). In addition, the FCS-MR500 has an IR illuminator and an IR aiming laser.

With its precise range measurement and exact elevation angle, the FCS-MR500 increases the first round probability of hit. The ABM programmer increases the lethality of individual rounds and allows engagement of targets behind cover in trenches.

FEATURES

- IR illuminator
- IR aiming laser
- All lasers co-aligned to bore sight with a single adjustment
- 1 meter accuracy
- Waterproof up to 10m for 1h (IP68)
- Powered by two IEC CR17345/CR123 battery

BALLISTIC COMPUTER

- Quick selector for two predefined ballistic tables
- Storage for up to 32 ballistic tables

WEAPON MOUNTING

- Various mounts available; standard is Picatinny
- (MIL-STD-1913/STANAG4694)
- Two-handed operation possible
- Mounts in any position, at 9, 12 or 3 o'clock

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TECHNICAL DATA	
General	
Length x width x height	130 x 65 x 105 mm ¹
Extension from rail	60 mm
Weight incl. battery, rail mount and reflex sight	335 g
Battery	1x IEC CR17345 / CR123
Battery life	4h (Dual IR 30/30 mW)
Waterproof (IP68)	30 m for 2 h
Operating temperature (STANAG 2895)	-32 °C to +71 °C
Test standard	MIL-STD-810
Ballistic Computer	
Type	RSE Algorithm
Max. storage capacity	32 ammunitions types
Distance setting	Manual input of range
Tilt / elevation range	0° to 45°
Atmospheric sensors	pressure, humidity, temperature
Airburst programmer	interface to RSE programmer
Canting assistance	in display, blinking red dot sight and blinking IR laser

MODE DATA			
Mode	Wavelength	max. output power	Beam divergence
IR aiming laser	850 nm	30 mW	0.5 mrad
IR illuminator	850 nm	30 mW	30 mrad

¹ Height is including Trijicon® RMR reflex sight.
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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