



FCS-MR500

40 MM 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 lightweight construction adds just a little over 300 grams to the host weapon. In addition, the FCS-MR500 supports the use of various weapons and top sights. Furthermore, the FCS-MR500 has an IR illuminator and an IR aiming laser.

With the correction of the elevation angle, the FCS-MR500 increases the first round hit probability.

FEATURES

- IR illuminator
- IR aiming laser
- All lasers co-aligned to bore sight with a single adjustment
- Different distance levels (1 m, 5 m, 10m) available – directly in the menu for fast switching
- External serial interface for connection of air burst programmer (ABM-Programmer) or LRF
- Waterproof up to 10m for 1 h (IP68)
- Powered by one IEC CR17345/CR123 battery

40MM BALLISTICS

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

WEAPON MOUNTING

- Standard picatinny mount (MIL-STD-1913/STANAG 4694)
- Mount rotatable, for right/left side mounting

TECHNICAL DATA

General

Length x width x height ¹⁾	130 x 65 x 105 mm
Extension from rail	60 mm
Weight incl. battery, rail mount and reflex sight	335 g
Battery	1 x IEC CR17345/CR123
Battery life	4 h (Dual IR 30/30 mW)
Waterproof (IP68)	10 m for 1 h
Operating temperature (STANAG 2895)	-32°C to +71°C
Test standard	MIL-STD-810

40 mm ballistics

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	typ. wavelength	typ. output power	typ. beam divergence
IR aiming laser	850 nm	30 mW	0.5 mrad
IR illuminator	850 nm	60 mW	5 mrad to 150 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.

sales.rse@rheinmetall.com

Rheinmetall Soldier Electronics GmbH

Bodenseeallee 3 · 78333 Stockach · Germany · sales.rse@rheinmetall.com · www.rheinmetall.com