HENSOLDT **Fire Control System**

Sighting Device for shoulder launched weapon systems

The Sighting Device with integrated Fire Control System (FCS) is developed for shoulder launched weapon systems, like the RGW 90 family system. It is equipped with a laser rangefinder, ballistics computer and an internal micro display with electronic reticle. It allows the shooter to engage a target with a high first-hit probability even at a range of up to 1.200 meters.

Features and Benefits

- Optical day sight
- Electronic sensors for air temperature/pressure, terrain angle and cant angle
- Laser rangefinder
- Optional clip-on night-vision
- Ballistics calculator
- Micro display
- Mechanical and electronic interface (including video signal input)

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Detect and Protect.

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With an optical clip-on night-vision the system is also usable at night. The FCS is attached to the launcher within seconds and the menu-guided operation of the FCS can be done by one person with no need for any further support. The gunner is able to measure the distance to the target and select the fuse mode.

The integrated FCS ballistics computer calculates offset and lead angle to automatically display the aiming mark. The type of ammunition can be identified, and the appropriate operating menu is selected automatically when attached to the launcher.

Even if the battery is empty the Sighting Device can still be used for aiming and firing at targets at lower distances (direct hit operation by means of an etched reticle). The Sighting Device is already prepared for use with guided missile systems (fire and forget) for a range up to 2000 meters.

Optical data	**FLV 5.5x30**	**FLV 4x30**
Magnification (M)	5.5 x	4 x
Field of view	11°; 19.4 m / 100 m	8°; 14 m / 100 m
Identification range	1200 m (human target) 2400m (NATO target)	1000 m (human target) 1900m (NATO target)
Internal Display of • aiming mark • seeker image	max. resolution: 800 (v) x 600 (h) elevation angle: 0° to 10°, Azimuth: ~ ± 3.8° monochrome video signal (digital)	max. resolution: 800 (v) x 600 (h) elevation angle: 0° to 7°, Azimuth: ~ ± 3.5° monochrome video signal (digital)
Dimensions, weight		
Length/width/height in mm	280/140/160	240/120/90
Weight in g (incl. battery and mount)	2200	1300
Interface	According to MIL STD 1913A (Picatinny Profile), extended base, dove tail	
including electronic contacts for	serial data communication (RS 485) power supply 12V/DC	
Compatible weapon systems	RGW 90 Family, Panzerfaust 3 Family (DND), ENFORCER (MBDA), Carl Gustav 84mm (SAAB)	
Electrical data		
Power supply	4 x Batteries CR 123	
Sensors	air temperature, air pressure, terrain and cant angle, angular rate	
Laser rangefinder		
Range	2100 m (Nato Standard Target)*	1600 m (Nato Standard Target)*
LRF accuracy	± 1 m up to 1200 m distance	± 1 m up to 1000 m distance
Measuring time	max 0.5 sec	
Transmitter	1550 nm, class 1 (eyesafe)	
Beam divergence	1 mrad x 1 mrad	
Ballistics computer		
Calculation Time for position of aiming mark	< 1 sec	
Ambient conditions		
Operating temperature	–40°C to +70°C (storage), –32°C to +63°C (operation)	

**albedo 10% / 6 km visibility*

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HENSOLDT AG
info@hensoldt.net
www.hensoldt.net