FPS-BEACON

POSITION MARKER

The new "Functional Protection System Beacon" (FPS-Beacon) from Rheinmetall Soldier Electronics (RSE) enables visible, non-visible and thermal position marking (direct activating) as well as the possibility of laser-guided activation over distance. With the aid of RSE laser modules, it enables active status monitoring. The beacon has a visible, infrared or thermal emission option. Due to the lightweight and compact design, the FPS-Beacon is suitable for attachment to the helmet, which further increases the transmission quality.

The robust and ergonomic design ensures optimal integration to the helmet shape. In case of laser contact during combat operations, the laser warning function is activated, which transmits a signal to the vibration unit.

The additional Beacon Configuration Device (BCD) enables transferring of configurations set by the user. It can save up to 16 configurations.
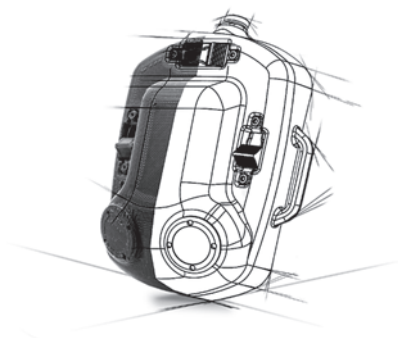
FEATURES

- Identification friend and unknown (IFF)
  = Remote activation/query
- Laser warning function by vibration
- Programmable flashing frequency IR, thermal or visible
- Up to 7 possible visible colours for identification
- Special mode for sea rescue
- 3-switch operability
- Configuration via remote device
- Bluetooth (optional)
- Close-fitting design
- Robust lightweight
- Waterproof up to 10 m for 2 h (IP68)
- Powered by two IEC CR17345/CR123 batteries
- Mountable for cars and helmets, e. g.

TAKING RESPONSIBILITY IN A CHANGING WORLD
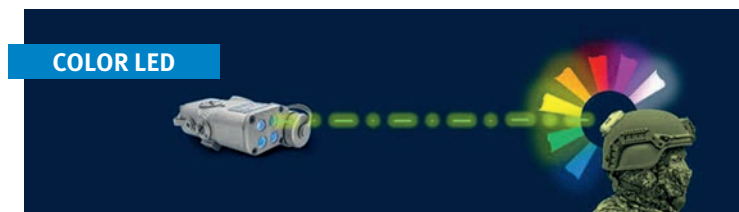
RHEINMETALL

TECHNICAL DATA

General

Length x width x height	105 x 101 x 50 mm
Weight incl. battery	280 g
Battery	2x IEC CR17345/CR123
Battery life	›30 min depending on selected modes
Waterproof (IP68)	10 m for 2 h
Operating temperature (STANAG 2895)	−32°C to +71°C
Test standards	MIL-STD-810/STANAG 4370

EMITTER/RECEIVER PARAMETER

Mode	Multicolour-LED	IR-LED	Thermal emitter	Extended thermal emitter (optional)	NIR receiver	SWIR receiver (optional)
Typ. wavelength/colour	RGB	940 nm	3–8 µm	8–12 µm	740–1100 nm	900–1700 nm
Typ. radiation angle	Half sphere	Half sphere	50°	50°	Half sphere	Half sphere
Typ. emission power	80 lm	300 mW	700 mW	300 mW	–	–
Display type	CW, flashing	CW, flashing	CW, flashing	CW, flashing		
	1–20 Hz	1–20 Hz	1–20 Hz	1–20 Hz	–	–
Clocking	–	–	–	–	10–100 kHz	10–100 kHz

All parameters in the tables were measured at room temperature.
Subject to technical changes, error, and printing errors.

COLOR LED

IR EMITTER

THERMAL EMITTER

CONTACT US

For more information or questions about an individual
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