

CEU

## AIMPOINT® CEU



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|                 |   |
|-----------------|---|
| Art.No          | 12156                                   |
| Aiming dot size | Uses the reticle of the combining sight |
| Battery type    | No power required                       |

## OVERVIEW

The Aimpoint® CEU (Concealed Engagement Unit) gives the operator the ability to observe and/or engage a threat from a concealed or covered position. The Aimpoint CEU easily rotates from side to side, so an operator can safely look around either right or left-hand corners, over barricades and under vehicles. It can also be quickly removed in order to rapidly return to direct engagement.

## MECHANICAL INTERFACE

The Aimpoint CEU rotates a full 260° allowing the operator to safely look around either right or left-hand corners, up staircases or down tunnels from almost any angle. To mount the CEU, use the Aimpoint TwistMount base and choose the CEU ring which allows co-witnessing with the Aimpoint sight.

*Launched 2009.*

## UNIQUE FEATURES

- Designed to be compatible with all Aimpoint® sights
- Designed to provide a "true image," NOT a reversed mirror reflection
- Allows aiming over walls, under cars, around corners without exposing head and torso
- Does not affect the weapon's point of impact
- Can be passed between team members
- Rugged, affordable device
- Small and light
- Easily removed from the weapon if necessary
- Turns a standard infantry weapon into a scouting tool
- No need to equip a team member with a specialized weapon
- Rotates a full 260°
- Designed to withstand extreme conditions

## TECHNICAL SPECIFICATIONS

| GENERAL SPECIFICATIONS |
|------------------------|
| Art.No: 12156          |

| OPTICAL SPECIFICATIONS   |
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| <b>Operating principle:</b> Dual mirror reflective device for true target view |
| <b>Optical magnification:</b> 1x   |
| <b>Aiming dot size:</b> Uses the reticle of the combining sight                |
| <b>Optical signature:</b> No optical signature                                 |
| <b>NVD compatible:</b> No  |
| <b>Clear aperture:</b> 25 mm (1 in)  |
| <b>Eye relief:</b> Unlimited   |

| POWER SOURCE                           |
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| <b>Battery type:</b> No power required |

| PHYSICAL SPECIFICATIONS  |
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| <b>Length conf:</b> 90 mm (3.6 in)   |
| <b>Width:</b> 115 mm (4.5 in)  |
| <b>Height sight only:</b> 40 mm (1.6 in) CEU only, detached from the CEU Rise Ring and TwistMount base           |
| <b>Height conf:</b> No standard config, can be mounted with 2 different configs.                                 |
| <b>Weight sight only (incl battery):</b> 130 g (4.6 oz), CEU only  |
| <b>Weight conf:</b> With Low Top ring 165 grams (5,8 oz). With High Top ring 185 grams (6,5 oz).                 |
| <b>Housing material:</b> High strength glass reinforced polymer  |
| <b>Housing finish and color:</b> Grey, non-glare finish  |
| <b>Material mount and spacer std conf:</b> Used with either the CEU High- or Low Rise Ring                       |
| <b>Surface treatment:</b> Rubber, black, non-glare finish  |
| <b>Height of optical axis - sight and mount:</b> 30 mm (1.2 in) (CEU Low Rise Ring)                              |
| <b>Height of optical axis - sight, mount and low spacer:</b> 39mm (1.5 in) (CEU High Rise Ring)                  |
| <b>Adjustment:</b> Rotation around optical axis: $\pm 130^\circ$ , measured from CEU pointing vertically upwards |

| ENVIRONMENTAL SPECIFICATIONS   |
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| <b>Temperature range operation:</b> 5°C to 55°C (41°F to 131°F)  |
| <b>Temperature range storage:</b> -51°C to 71°C (-60°F to 160°F)   |
| <b>Temperature shock:</b> Operable after a temperature shock between -45°C and +71°C. Duration: 4h of Hot +71°C, 4h of Cold -45°C. Cycling: 3 times  |
| <b>Humidity:</b> Operates despite humidity. Limits: RH: 95%, Temp: 20°C to 50 °C, cyclic   |
| <b>Submersible:</b> Operates after immersion. Submersible to a depth of 25m (80 ft.)   |
| <b>Shock:</b> Operable before and after shock. Limits: X-axis: 500 g, 0.7 - 1.1 ms (3 shocks), Y-axis: 40g $\pm 4g$ , 11 $\pm 1ms$ (2 shocks in each direction, Z-axis: 40g $\pm 4g$ , 11 $\pm 1ms$ , 2 shocks in each direction. Functional during exposure (room temperature)              |
| <b>Vibration:</b> Operates despite vibration. Limits: Vibration, sinusoidal in a frequency range of 10-150 Hz. Frequency: 10-30 Hz, $\pm 1.587$ mm, Frequency: 30-150 Hz. 5.75 g, 1 octave/min   |
| <b>Chemical resistance:</b> Withstands occasional contamination of: Hydraulic oil (FSD 8407, Tryckolja 021), Lubricating oil (FSD 8127, Motorolja 5W/30), Lubricating oil (FSD 8220, Smörjfett 220), Lubricating oil (Break Free), Fuels (FSD 8612, Diesel fuel oil), Solvents/cleaning (FSD |