

ACO

**AIMPOINT® ACO****AIMPOINT® ACO**

<b>Item No.</b>	200174
<b>Aiming dot size</b>	2 MOA
<b>Battery type</b>	3V lithium battery, type 2L76 or DL1/3N
<b>Battery life - Day time use</b>	10 000h (over 1 year of continuous use)

**OVERVIEW**

The Aimpoint® Carbine Optic is designed specifically for modern sporting rifles, incorporating proven design features and premium Aimpoint quality at an entry level price point. Customize the ACO to fit specific needs with a full line of accessory options.

Developed with the modern sporting rifle owner in mind, the ACO is ready to mount and shoot directly out of the box. A 30mm aluminum alloy sight tube is paired with a rugged fixed height mount designed to provide absolute co-witness with AR-15 backup iron sights.

*Launched 2014.*

**UNIQUE FEATURES**

- Up to 1 year of constant-on use on a single DL1/3N battery
- Completely waterproof
- 2 Minute of Angle(2 MOA) red dot
- Designed specifically for modern sporting rifles
- Ready to mount directly out of the box
- Fixed height mount included – providing absolute co-witness with AR-15 backup iron sights
- Full line of accessories available
- Legendary Aimpoint quality and ruggedness at an entry level price point

**TECHNICAL SPECIFICATIONS**

GENERAL SPECIFICATIONS
Item No.: 200174

  

OPTICAL SPECIFICATIONS
<b>Operating principle:</b> Reflex collimator sight with LED
<b>Optical magnification:</b> 1x
<b>Aiming dot size:</b> 2 MOA
<b>Dot intensity:</b> Visible against a background luminance of 0.1 to 55 000 lx
<b>Dot color:</b> Peak Wavelength: 655 ± 15 nm
<b>NVD compatible:</b> No
<b>Optical coating:</b> Anti-reflex, all surfaces and multi-layer
<b>Clear aperture:</b> 23 mm (.9 in)
<b>Eye relief:</b> Unlimited

POWER SOURCE
<b>Battery type:</b> 3V lithium battery, type 2L76 or DL1/3N
<b>Battery life - Day time use:</b> 10 000h (over 1 year of continuous use)
<b>Power intensity:</b> 10 pos. 1 Off, 9 daylight of which 1 Extra Bright

PHYSICAL SPECIFICATIONS
<b>Length sight only:</b> 120 mm (4.8 in)
<b>Width:</b> 55 mm (2.2 in)
<b>Height sight only:</b> 55 mm (2.2 in)
<b>Height conf:</b> 76 mm (3 in)
<b>Weight sight only (incl battery):</b> 190 g (6.7 oz)
<b>Weight conf:</b> 300 g (10.6 oz)
<b>Housing material:</b> High strength Aluminum
<b>Housing finish and color:</b> Semi-matte black
<b>Material mount and spacer std conf:</b> High strength Aluminum
<b>Surface treatment:</b> Hard anodized, semi matte
<b>Height of optical axis - sight and mount:</b> 39 mm (1.56 in) over top surface of Picatinny Rail
<b>Adjustment:</b> 1 click = 16 mm at 100 meters = 13 mm at 80 meters

ENVIRONMENTAL SPECIFICATIONS
<b>Temperature range operation:</b> -30°C to +60°C (-20°F to +140°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 -30°C and +60°C (-22°F and +140°F)
<b>Humidity:</b> Operable during and after Humidity. Limits: RH: 95%, Temp: +20°C to +50°C (+68°F to +122°F), cyclic
<b>Submersible:</b> To a depth of 5 m (15 ft.)
<b>Shock:</b> Withstands shock. Limits: X-axis: 500 g, 0.7 - 1.1 ms (3 shocks), Y-axis: 40g ±4g, 11 ±1ms (2 shocks in each direction, Z-axis: 40g ±4g, 11 ±1ms (2 shocks in each direction)
<b>Vibration:</b> Withstands vibration. Limits: Vibration, sinusoidal in a frequency range of 10-150 Hz. Frequency: 10-30 Hz, ±1.587 mm, Frequency: 30-150 Hz. 5.75 g, 1 octave/min. Direction: X, Y and Z, Time: 30 min/direction
<b>Chemical resistance:</b> Withstands occasional contamination by weapons cleaners, lubricants, fuels and insect repellents