

ACO

AIMPOINT® ACO**AIMPOINT® ACO**

Item No.	200174
Aiming dot size	2 MOA
Battery type	3V lithium battery, type 2L76 or DL1/3N
Battery life - Day time use	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
Operating principle: Reflex collimator sight with LED
Optical magnification: 1x
Aiming dot size: 2 MOA
Dot intensity: Visible against a background luminance of 0.1 to 55 000 lx
Dot color: Peak Wavelength: 655 ± 15 nm
NVD compatible: No
Optical coating: Anti-reflex, all surfaces and multi-layer
Clear aperture: 23 mm (.9 in)
Eye relief: Unlimited

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

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

ENVIRONMENTAL SPECIFICATIONS
Temperature range operation: -30°C to +60°C (-20°F to +140°F)
Temperature range storage: -51°C to +71°C (-60°F to +160°F)
Temperature shock: Operable after a temperature shock between -30°C and +60°C (-22°F and +140°F)
Humidity: Operable during and after Humidity. Limits: RH: 95%, Temp: +20°C to +50°C (+68°F to +122°F), cyclic
Submersible: To a depth of 5 m (15 ft.)
Shock: 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)
Vibration: 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
Chemical resistance: Withstands occasional contamination by weapons cleaners, lubricants, fuels and insect repellents