PRIMARY ARMS®

1X COMPACT PRISM SCOPE

WITH ACSS® CYCLOPS™ RETICLE

For Patent Information go to https://goo.gl/2z62aS

MANUFACTURER PART NUMBER	UPC	FINISH
PAC1X-ACSS-CYCLOPS	8 18500 01308 2	MATTE BLACK
PAC1X-ACSS-CYCLOPS-FDE	8 18500 01309 9	FLAT DARK EARTH

THE 1X COMPACT PRISM SCOPE

The 1x Compact Prism scope is the smart alternative to red dot sights, providing fast target acquisition using the etched ACSS Cyclops reticle that works with or without red illumination. Cyclops offers range estimation and bullet drop compensation for 5.56 NATO, .308 Win, 5.45x39, 7.62x39, and 300BLK calibers. The quick adjust diopter ring keeps the reticle sharp in the generous field of view, providing a crisp sight picture in all lighting conditions. The 1x Compact Prism Scope is compatible with industry standard microdot mounts.

BATTERY

The 1x Compact Prism Scope uses a single CR2032 battery. The battery cap is located on the left side and unscrews counterclockwise using a quarter or other coin. The positive (+) side of the battery faces out towards the cap. Rechargeable batteries are not recommended and can potentially damage the electronics. The 1x Compact Prism Scope will operate an estimated 3,000 hours at a medium setting.

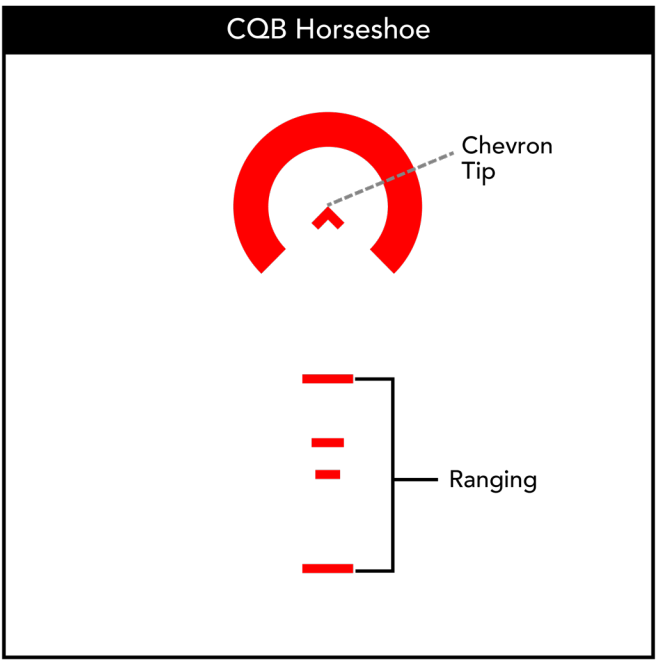
CR2032 Battery location

ACHIEVING A CLEAR RETICLE PICTURE

Setting the diopter ring at the rear of the eyepiece is the critical first step to successful precision shooting. Looking at a featureless light background like a clear blue sky or blank wall, the reticle should appear sharp and crisp. If it does not, you need to make adjustment by turning the ring. Look at the scope with quick glances and adjust until the reticle is clear at first glance. This is a one-time adjustment. Because everyone's eyes are different, the ideal adjustment will vary from person to person.

THE ACSS CYCLOPS RETICLE

The ACSS (Advanced Combined Sighting System) is a giant leap forward in reticle design that increases first hit ratio and decreases time on target dramatically. The Cyclops reticle combines moving target leads, bullet drop compensation, and range estimation into a simple-to-use sighting system. Use the horseshoe as a large, quick aiming reference for fast snap shooting up close. For precision shooting, use the tip of the chevron located inside the horseshoe.



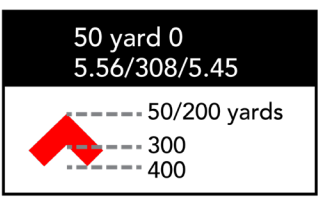
ESTABLISHING ZERO

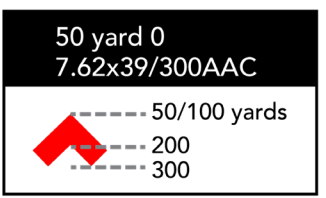
Using a bipod or sandbags, preferably on a bench or in the prone position, adjust your turrets to dial in your point of impact five (5) rounds at 50 yards to the tip of the chevron. When sighting in your rifle, if your shots are hitting low, turn the elevation turret clockwise to bring the point of impact up. If your shots are hitting to the left, turn the windage turret clockwise to bring the point of impact right. Each click is 0.5 MOA, or half an inch at 100 yards, a quarter of an inch at 50 yards. The maximum total adjustment for both windage and elevation is 50 MOA. If you suddenly encounter resistance, do not try to force the screw further, this can break the mechanism and render the sight unable to zero. After initial firing, check that the optic and mount are secure on your firearm. Check your impact points on the target to confirm accuracy and repeat until you are satisfied that the point of aim and the point of impact coincide at 50 yards.

GETTING TO KNOW YOUR BULLET DROP COMPENSATION (BDC)

Gravity will affect your bullet's trajectory (or path). The BDC starts at the top of the chevron at 50 yards. The point formed by the underside of the chevron, and the area level with the bottom of the chevron, act as additional aiming references for different ranges depending on caliber. Simply aim using the area of the chevron that coincides with the range to target. We recommend that you establish a steady, supported position in order to utilize the BDC effectively.

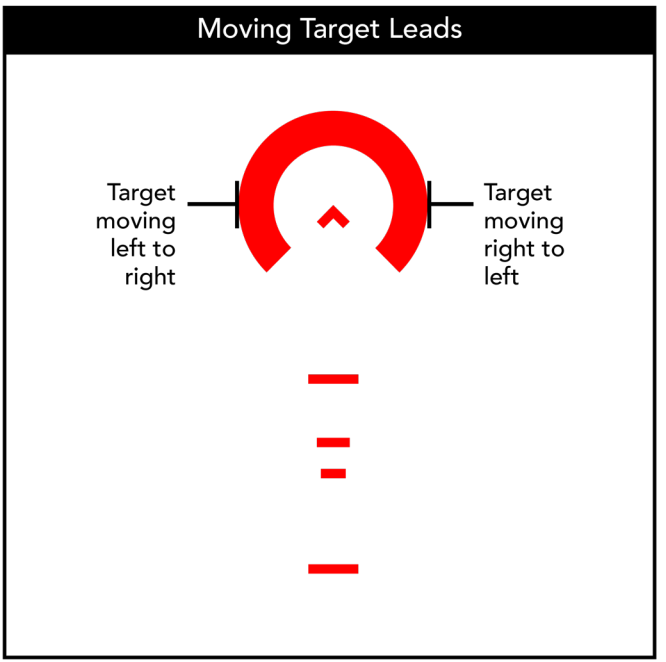
Bullet Drop Compensation





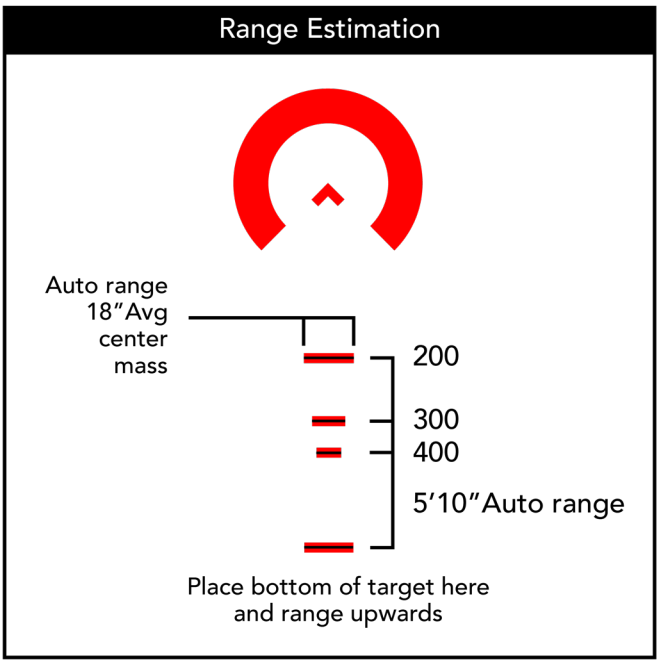
LEADING YOUR TARGET

The average target moves at 8.6 mph. The leading edge of the “horseshoe” section of the reticle is set for a target moving at a 90 degree angle to the shooter. Depending on the direction of the target’s movement, fire using the edge of the horseshoe instead of the center chevron. If the target is moving left to right, use the left edge of the horseshoe. If the target is moving right to left, use the right edge. This technique is best used from 100 to 300 yards and is highly effective on moving targets.



HOW TO RANGE YOUR TARGET

Knowing the proper range of your target is crucial in order to use the right hold on the BDC. Starting vertically at the bottom line and measuring upwards will range estimate targets 5’10” tall. If the top of the target reaches the highest ranging line, the target is 200 yards away. Additional lines in the middle indicate 300 and 400 yard distances. Horizontal ranging is accomplished using the width of the ranging lines. Each ranging line measures an 18” wide target from side to side; match the width of the target to the appropriate ranging line to determine its distance.



MOUNTING OPTIONS AND THE REMOVABLE BASE

The included 1913 MIL STD base positions the centerline of the 1x Compact Prism Scope 1.41" above the receiver rail, the same height as standard AR-15 iron sights. The base can be removed by turning the four T10 Torx screws located underneath the optic counter clockwise. Two spacers which can be placed between the base and the scope body are available for purchase separately. PA-MS-1 places the centerline of the optic 1.54" above the receiver rail, at "lower 1/3rd cowitness" height. PA-HS-1 places the centerline of the optic 1.64" above the receiver rail as an "extra tall" option.

With the base removed, the underside of the optic body is machined to be compatible with industry standard micro dot mounts. Because the 1x Compact Prism Scope is larger than a micro dot, the result will be a sight picture somewhat "taller" than the listed specification for those mounts.

When mounting any base to the 1x Compact Prism Scope, torque the T10 screws to only 10 inch pounds (not foot pounds!), applying blue thread lock tight to the screw threads. Do not overtighten them!

A larger Phillips-head type screw is also located underneath the optic. It is the nitrogen gas port; do not attempt to adjust that screw, or the nitrogen may vent from inside the optic, compromising function. For the same reason, do not attempt to adjust the spring cover also located under the optic on the left side.

The bolt located on the removable base is 0.5" in diameter, and should be tightened to 45 inch pounds, applying blue thread locker to the screw.

Illumination Knob / Battery Compartment

Use coin (not included) to turn cap counterclockwise for CR2032 battery replacement

0.5" Diameter
Tighten to
45 in. lb.

T 10 Torx screws
Tighten to 7 in. lb.

Spring Cover & Nitrogen Gas Port

WARNING: Failure to follow these instructions risks optic damage.

Do not attempt to adjust.
Nitrogen gas will leak.

For more information about how to use your ACSS reticle, please check out our YouTube video at https://youtu.be/BS_swMnJMGU. Please type in the link exactly, it is case sensitive.

SPECIFICATIONS AND FEATURES

- Magnification: 1x
- Objective lens diameter: 20 mm
- Ocular lens diameter: 25 mm
- Exit pupil: 13 mm
- Eye relief: 3.7”
- Field of view: 76.3 feet @ 100 yards
- Click value: 0.5 MOA
- Total elevation adjustment: 50 MOA
- Total windage adjustment: 50 MOA
- Length (w/o Lens Covers): 4.02”
- Weight (w/ Battery, w/o Lens Covers): 9.7 oz.
- Red reticle illumination
- Fast focus eyepiece
- Waterproof
- Nitrogen purged
- Fog resistant
- Fully multi-coated lenses
- 6061 aluminum
- Uses one CR2032 battery (included)
- Flip-up lens covers included
- Lifetime warranty

Specifications may vary and are subject to change without notice.

NOTES

PRIMARY ARMS®

WARRANTY

Your PAC1X-ACSS-CYCLOPS scope is covered by the Primary Arms Lifetime Warranty. If a defect due to materials or workmanship, or even normal wear and tear, has caused your product to malfunction, Primary Arms will either repair or replace your product. You can find out more details at www.primaryarmsoptics.com.

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