

CANYON™ 10x42mm RANGEFINDING BINOCULAR Specifications

| | |
|--------------------------------|------------------|
| Magnification | 10x |
| Objective Clear Aperture | 42 mm |
| Exit Pupil | 4.2 mm |
| Eye Relief | 14.7 mm |
| Angular FOV | 6.1 degrees |
| Laser Divergence | 2.6 x 0.13 mrad |
| Range Response Time | 0.25 seconds |
| Range Resolution under 100 yds | 0.1 yards |
| Range on Reflective Targets | Up to 4000 yards |
| Range on Trees | Up to 2000 yards |
| Range on Deer | Up to 1500 yards |
| Weight without Battery | 26.7 ounces |



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- Fully Transferable
- No Warranty Card Required
- No Receipt Required
- No Time Limit Applies
- No Charge

Please note that our Infinite Guarantee excludes coverage for intentional damage, misuse, cosmetic damage that does not affect the performance of the optic, loss, theft, or unauthorized repair or modification. Excludes electronic and Tritium components.

Customers seeking warranty coverage must first obtain a Return Merchandise Authorization (RMA) by contacting,

SIG SAUER Customer Service, and return the product unloaded and freight prepaid.

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FOR PRODUCT SERVICE ON THIS MODEL,

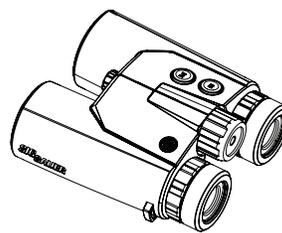
Please Call 603-610-3000

12100 SW Tualatin Rd, Tualatin, OR 97062 USA

P/N 7404544-01 REV00

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CANYON™ RANGEFINDING BINOCULAR

10x42mm BALLISTIC RANGEFINDER with Red OLED Display, Onboard Ballistic Calculator with 8 Ballistic Groups, and Archery Mode

OWNERS MANUAL



Scan the QR code to visit sigsauger.com where you will find additional information about SIG SAUER products, SIG SAUER Academy and the SIG Experience Center, Special Programs, and additional support.



INTRODUCTION:

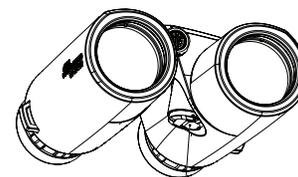
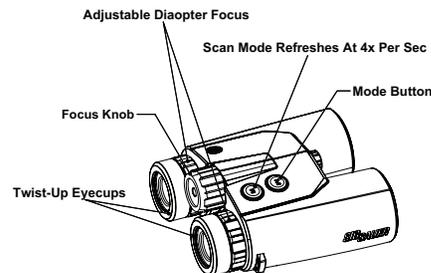
Congratulations on the purchase of your SIG SAUER® CANYON RANGEFINDING BINOCULAR. The CANYON provides fast, accurate range results out to a maximum of 4000 yards and includes several modes of operation including Line of Sight (LOS), Angle Modified Range (AMR), Archery Mode, and when one of the eight onboard ballistic groups is selected will provide holdover in MOA or MRAD. Your rangefinder comes with a high visibility, red OLED display for use in any environment.

CONTENTS:

- CANYON RANGEFINDING BINOCULAR
- CR2 Lithium Battery
- Nylon Carry Pouch
- Neck Strap
- Owners Manual

RANGE PERFORMANCE:

- Up to 4000 yards on reflective targets
- Up to 2000 yards on trees
- Up to 1500 yards on deer



Bottom Loading CR2 Battery

SAFETY AND OPERATING PROCEDURES:

Your CANYON RANGEFINDING BINOCULAR is classified as a Class 1M product.

- Do not press the RANGE button while aiming at the human eye or while looking into the transmitting optics on the objective side.
- Do not leave your rangefinder within reach of small children.
- Do not take the product apart or modify the product in any way to expose internal electronics that might cause damage or electric shock.
- Do not use any other power source other than the battery specified for use in your product (primary lithium CR2).



WARNING: CANCER AND REPRODUCTIVE HARM—www.P65warnings.ca.gov

NOTICE: EXPORT RESTRICTIONS MAY APPLY – THIS PRODUCT MAY BE CONTROLLED EITHER BY THE ITAR OR EAR.

MODES OF OPERATION:

Your rangefinder comes with 4 RANGE MODES of operation:

- Line of Sight (LOS) - Provides the line of sight range to the target independent of angle. The angle of incline / decline will also be displayed. This method is preferred for long range shooters and hunters using an external ballistic calculator.
- Angle Modified Range (AMR) - AMR is the equivalent horizontal range to the target and can be used with ballistic reticles. It is commonly referred to as "rifleman's rule" and is very accurate for distances less than 400 yard.
- Ballistic Groups (GRP) - After selecting one of the onboard ballistic groups, the rangefinder will provide the AMR range along with your holdover in either MOA or MRAD for making adjustment to the elevation turret on any rifle scope.
- Archery Mode (ARCH) - Archery Mode is used to compensate for shooting arrows at extreme up/down angles. It requires knowing the speed of your arrow which is entered into the rangefinder in FPS. The rangefinder will produce a solution as an equivalent flat range shoot-to distance. Beyond 200 yards, the AMR distance to the target will be returned.

Your rangefinder has 3 TARGET MODES:

- LAST Target – LAST target displays the furthest target ranged. It is used in most situations and is ideal for ranging through foliage.
- BEST Target – BEST target displays the range of the target with the strongest received signal.
- FIRST Target – FIRST target displays the closest target to the user.
- LAST and FIRST target respond differently when in SCAN mode. If the RANGE button is held down while scanning across multiple targets at different distances, the farthest target (LAST) or closest target (FIRST) will be retained while scanning.

SETUP:

Remove the battery cap by turning the cap counterclockwise. Insert the CR2 lithium battery with the negative (-) terminal facing in. The positive (+) terminal should be facing out. Replace the cap onto the positive terminal and rotate the battery cap clockwise, hand tight.

The CANYON RANGEFINDING BINOCULAR features two diopter adjustments. One for the internal OLED display (right) and one for distant targets (left). Press the RANGE button to turn on the bino - the display should be visible in the right channel. Close your left eye and adjust the diopter on the right channel to focus the display. Next, locate a distant target with your binocular. Use the center focus knob to bring the target image into focus in the right channel using your right eye. Now, close your right eye and adjust the diopter on the left channel to focus the target image in the left channel with your left eye.

Press the RANGE button to turn the unit on and range targets. Press and hold the MODE button to configure the rangefinder. The CANYON ships in AMR mode with LAST target active.

PROGRAMMING / CONFIGURATION:

Your rangefinder can be configured by using the RANGE and MODE buttons located on the top of the unit.

- Press and release the RANGE button to wake up.
- Press and hold the MODE button to enter programming / configuration.
- RANGE MODE / BALLISTIC GROUP selection:
 - AMR is default and is flashing. Press and release the RANGE button to toggle between AMR > Arch > GrP > LOS.
 - If AMR or LOS is selected, press and release the MODE button to save your selection and index to Target Mode selection.
 - If Arch is selected, press and release the MODE button to enter the Arrow Speed.
 - SPEEd will be flashing, press and release MODE to enter the Arrow Speed in FPS.
 - Arrow Speed is adjustable from 200-350fps in 5fps increments. Press and release the RANGE button to adjust the Arrow Speed. Press and release the MODE button to save and index to Target Mode.
 - If GrP is selected, press and release the MODE button to enter Ballistic Group selection.
 - GrP will be flashing along with the number 1. Press and release the RANGE button to toggle Ballistic Groups from 1 - 8 (i.e., 1 > 2 > 3 > 4 > 5 > 6 > 7 > 8 > ...). Press and release the MODE button to save your selection and advance to Holdover Unit of Measure selection.
 - MOA is default and is flashing. Press and release the RANGE button to toggle between MOA > MRAD. Press and release the MODE button to save and index to Target Mode.
- TARGET MODE selection:
 - LAST is default and is flashing. Press and release the RANGE button to toggle between LAST > FIRST > BEST ...
 - Once your Target Mode is selected, press and release the MODE button to index to Brightness Control.
- DISPLAY BRIGHTNESS CONTROL selection:
 - MEd 3 is default and is flashing. Press and release the RANGE button to toggle between Hi 1 > Hi 2 > Hi 3 > Lo 1 > ...
 - Once your Display Brightness is selected, press and release the MODE button to index to Unit of Measure.

3. UNIT OF MEASURE selection:

- Y (yards) is default and is flashing. Press and release the RANGE button to toggle between Y > M (meters) ...
- Once your Unit of Measure is selected, press and release the MODE button to return to Ready to Range.

BALLISTIC GROUPS:

There are 8 predetermined ballistic groups on your rangefinder. The first 6 groups are centerfire groups. Group 1 is the flattest shooting group. Each group out to group 6 has more drop. Select your group based on the caliber list that is provided. If your rounds are impacting low, move to a higher numbered group. If your rounds are impacting high, move to a lower numbered group. Group 7 represents muzzleloaders and Group 8 represents a crossbow.

| GROUP 1 | | |
|--------------------------|------------------------|-----------------------|
| Zero Distance: 100 Yards | | |
| Cartridge | Projectile Weight (gr) | Muzzle Velocity (fps) |
| .243 Win | 70 | 3553 |
| .243 Win | 55 | 3880 |
| .26 Nosler | 100 | 3674 |
| .26 Nosler | 120 | 3550 |
| .26 Nosler | 125 | 3450 |
| .26 Nosler | 140 | 3210 |
| .204 Ruger | 32 | 4225 |

| GROUP 2 | | |
|--------------------------|------------------------|-----------------------|
| Zero Distance: 100 Yards | | |
| Cartridge | Projectile Weight (gr) | Muzzle Velocity (fps) |
| .300 WBY Mag | 150 | 3375 |
| .338 Lapua | 285 | 2890 |
| .338 Win Mag | 200 | 2950 |
| .338 Rum | 250 | 2900 |
| .270 Weatherby | 130 | 3200 |
| .338 Lapua | 250 | 3000 |
| 7mm Rem Mag | 150 | 3050 |
| .270 WM | 130 | 3275 |
| 7mm Rem Mag | 150 | 3000 |
| 7mm WSM | 140 | 3225 |
| .30-.378 WBY | 180 | 3400 |
| .300 RUM | 180 | 3400 |
| .270 WSM | 150 | 3120 |
| 7mm STW | 140 | 3325 |
| 7mm RUM | 160 | 3250 |
| 7mm RUM | 140 | 3450 |

| GROUP 3 | | |
|--------------------------|------------------------|-----------------------|
| Zero Distance: 100 Yards | | |
| Cartridge | Projectile Weight (gr) | Muzzle Velocity (fps) |
| .300 Win Mag | 180 | 2933 |
| .300 WSM | 180 | 2950 |
| .338 Win Mag | 250 | 2700 |
| .300 Win Mag | 150 | 3300 |
| .300 Win Mag | 180 | 2960 |
| .300 WSM | 150 | 3300 |
| .375 H&H | 270 | 2700 |
| .270 Win | 130 | 3050 |
| .270 Win | 140 | 2950 |
| .300 WBY Mag | 180 | 3100 |
| 6mm Creedmoor | 107 | 2950 |
| 30-06 SPRG. | 165 | 2950 |

| GROUP 4 | | |
|--------------------------|------------------------|-----------------------|
| Zero Distance: 100 Yards | | |
| Cartridge | Projectile Weight (gr) | Muzzle Velocity (fps) |
| 6.5x55 Swedish | 129 | 2750 |
| .25-06 Remington | 120 | 3000 |
| .280 Remington | 140 | 3000 |
| .338 Win Mag | 225 | 2800 |
| .243 Win | 100 | 2900 |
| .223 Remington | 40 | 3650 |
| 260 Remington | 130 | 2820 |
| 6.5 Creedmoor | 130 | 2850 |
| 6.5 Creedmoor | 147 | 2695 |
| 6.5 Creedmoor | 140 | 2742 |
| .25-06 Remington | 100 | 3200 |

| GROUP 5 | | |
|--------------------------|------------------------|-----------------------|
| Zero Distance: 100 Yards | | |
| Cartridge | Projectile Weight (gr) | Muzzle Velocity (fps) |
| .22-250 Remington | 55 | 3650 |
| .375 H&H | 300 | 2600 |
| .308 Win | 175 | 2640 |
| .30-06 Springfield | 180 | 2675 |
| .260 Remington | 120 | 2880 |
| .260 Remington | 140 | 2750 |
| 6.5 Creedmoor | 120 | 2825 |
| .30-06 Springfield | 150 | 3000 |
| .270 Win | 150 | 2850 |

| GROUP 6 | | |
|--------------------------|------------------------|-----------------------|
| Zero Distance: 100 Yards | | |
| Cartridge | Projectile Weight (gr) | Muzzle Velocity (fps) |
| 5.56mm | 62 | 2822 |
| .223 Remington | 55 | 3200 |
| 7.62x51 | 147 | 2820 |
| .303 British | 150 | 2700 |
| .308 Win | 165 | 2700 |
| .308 Win | 168 | 2700 |
| .308 Win | 175 | 2600 |

| GROUP 7: MUZZLELOADER | | |
|--------------------------|------------------------|-----------------------|
| Zero Distance: 100 Yards | | |
| Projectile | Projectile Weight (gr) | Muzzle Velocity (fps) |
| .50 cal sabot | 400 | 1900 |

| GROUP 8: CROSSBOW | | |
|-------------------------|------------------------|-----------------------|
| Zero Distance: 20 Yards | | |
| Bolt | Projectile Weight (gr) | Muzzle Velocity (fps) |
| Bolt | 400 | 310 |