



# FURY® HD 5000 AB

## LASER RANGEFINDING BINOCULAR

### ELEVATOR PITCH

The Fury® HD 5000 AB takes the guess work out of dialing long-range shots with in-display ballistic data, built-in environmental sensors and Wind Bearing Capture Mode, which means less time calculating ballistics and more time putting rounds down range. With Applied Ballistics® Elite solver built right in, you can pair with the Fury HD App to create custom ballistic profiles, and pair with popular Kestrel® and Applied Ballistics® Garmin® devices for the ultimate in real-time precision. Put simply, it's a smarter way to shoot.

### WHY DID WE MAKE THIS LASER RANGEFINDING BINOCULAR?

Our customers have been asking for a laser rangefinding binocular with a ballistic solver on board, customizable to their setup for the most accurate shot. The Fury® HD 5000 AB features onboard ballistics, built-in environmental sensors, multiple wind mode options, and the ability to pair with the Fury HD App to create custom ballistic profiles for a simple Range, Dial, Shoot solution.

### WHAT IS NEW TO THE FURY® HD 5000 AB VS THE FURY® HD 5000?

- In-display wind/drop solution
- Integrated Applied Ballistics® Elite solver
- Pairs with Fury HD App to build custom firearm profiles and for access to a full bullet database
- Onboard compass, humidity, barometric pressure, and temperature sensors
- Wind Bearing Capture Mode – Utilizes onboard compass to capture wind direction
- Ability to pair with popular Kestrel® and Applied Ballistics® Garmin® devices

### HOW DOES THIS OPTIC STAND UP TO COMPETITIVE MODELS?

The Fury® AB features the Applied Ballistics® Elite Solver which offers the farthest yardage coverage and access to AB custom drag models.

### WHAT IS THE APPLIED BALLISTICS® ELITE SOLVER?

Applied Ballistics® is an accurate ballistics solver that is backed by a full, up-to-date bullet database.

### WHAT ARE THE TOP USES FOR THIS PRODUCT?

Western hunting and long-range shooting.

### WHAT ARE THE DIFFERENCES BETWEEN THE RANGING MODES?

Horizontal Component Distance (HCD) – Displays the slope angle compensated for the target distance.

Ballistics (BAL) – Displays the actual line of sight range and wind/drop solution. The Fury® AB must be in this mode to pair with the Fury HD App and third-party devices.

Scan Feature – Displays continuous distance readings while panning across a landscape. This feature is available with both HCD and BAL modes.

### WHAT ARE THE DIFFERENCES BETWEEN THE TARGET MODES?

Best Mode – Displays the strongest range result. This mode is intended to be the primary mode.

Last Mode - Displays the distance of the farthest target captured. This mode is recommended for obstructed targets.

### WHAT ARE THE DIFFERENCES BETWEEN THE WIND MODES?

Full Crosswind Mode – Assumes any wind is coming perpendicular to the direction you are ranging. This mode is great for quick wind entry and simple shooting setups.

Wind Bearing Capture Mode – Utilizes the onboard compass to keep track of wind direction regardless of the direction the user is facing. This mode is ideal if wind is coming from an odd angle, varying greatly in direction and speed, or you are frequently changing position and direction.





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### WHEN DOES THE FURY® AB NEED TO BE CALIBRATED?

The Fury® AB needs to be calibrated during initial setup. You should recalibrate your Fury® AB every time you significantly change location, typically 30 miles or more. Calibrate your Fury® AB outside and away from large metal structures or objects. Calibration is important for the accuracy of Wind Bearing Capture Mode.

### WHAT ENVIRONMENTAL DATA CAN THE FURY® AB PROVIDE AND WHAT NEEDS TO BE ENTERED?

The Fury® AB has onboard sensors to measure temperature, pressure, and humidity. In situations where the environment has changed quickly - such as leaving a warm cabin into the winter cold - it is possible to manually enter these variables via the Fury HD App on the ENVIRONMENTALS tab and sync them to your device, rather than waiting for the Fury® AB to become acclimated. The Fury® AB will continue to use the input data until you tap the Fury® AB icon in the app to change back to the onboard sensors and sync again. Wind speed and direction can either be entered using a Fury® AB or imported from a Kestrel® device to complete a data set for the Applied Ballistics® solver.

### WHAT ARE THE PRELOADED BALLISTICS PROFILES AVAILABLE WITH THE FURY® AB?

The Fury® AB comes preloaded with three common ballistics profiles. Profile A is a .308. Profile B is a 6.5 Creedmoor. Profile C is a 5.56. These can be used as is or duplicated and modified to be used as a starting point for a customized profile.

### WHY CREATE A CUSTOM FIREARM PROFILE?

Building a custom profile for your firearm allows you to harness the total power of the Applied Ballistics® solver and fine tune your corrections for maximum effectiveness in the field.

### WHAT IS THE DIFFERENCE BETWEEN A G1 AND G7 DRAG MODEL?

In general, G1 is better for flat-based bullets typically used with pistols and muzzleloaders. G7 is more common and better for longer, boat-tailed bullets which are common for centerfire cartridges.



### WHAT IS A CUSTOM DRAG MODEL?

A custom drag model is a more refined way of modeling drag for bullets because it uses the actual measured drag of a specific bullet in a ballistic solver. The Fury HD App provides access to the full Applied Ballistics® bullet library including custom curve data on nearly all commercially available bullets. We recommend always selecting an AB Custom Curve when available as it will provide the most accurate solution.

### WHAT IS MUZZLE VELOCITY AND HOW CAN I FIND IT FOR A FIREARM?

Muzzle velocity is the projectile's speed as it leaves the muzzle, measured in feet per second (FPS) or meters per second (MPS). This information may be printed on your ammunition's box or found on the manufacturer's website. The exact FPS/MPS for your firearm can also be measured with the use of a chronograph for the most accurate results.

### HOW DO I CALCULATE HEIGHT OVER BORE?

Measure from the center of the rifle's bore to the center of your scope ring.





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### WHAT IS SIGHT SCALE FACTOR?

Sight scale factor (SSF) is a value corresponding to how accurately your riflescope turrets track. For example, if every 10 MOA of elevation adjustment you make only translates to 9.9 MOA of adjustment on impact, you can change the SSF to .99 to adjust for that slight shift in the elevation turret's travel.

### WHAT IS SPIN DRIFT?

Spin Drift is the deflection generated by the gyroscopic rotation of the bullet. The direction of the drift corresponds to the direction of the barrel's twist. In the SETTINGS menu, we recommend that spindrift is set to ON, as this is a natural force that will affect your bullet's trajectory.

### HOW DO I UPDATE THE FIREARMS PROFILES ON MY FURY® AB DEVICE?

Utilize the FIREARMS tab on the Fury HD App to build and customize your firearm profiles. Save the profiles you would like on your Fury® AB as profiles A, B, and C on the app and while paired, click the "SYNC" button to load onto your device. The Fury HD App can store up to 99 firearm profiles, while only three profiles can be loaded onto the Fury® AB device at any time.

### WHAT FIREARM SETUP CHANGES REQUIRE A NEW PROFILE?

Small adjustments to your firearm setup can create large effects on your solution's accuracy. We recommend creating new firearm profiles when you change bullet types, change optics, or add accessories such as suppressors for the most accurate solution. The app can store up to 99 firearm profiles.

### WHAT IS THE BALLISTICS DISPLAY ON THE FURY HD APP?

The BALLISTICS DISPLAY tab on the Fury HD App displays your corrections and is a great tool for non-verbal communication. It can also be utilized as a remote for the Fury® AB, allowing you to range from a distance if your Fury® is mounted to a tripod.

### DO I NEED A KESTREL® TO OPERATE MY FURY® AB?

No. However, a Kestrel® can enhance the functionality of your Fury® AB by obtaining more precise environmental data than the Fury® can acquire on its own.

### DO I NEED TO USE AN APPLIED BALLISTICS® KESTREL® WITH MY FURY® AB?

No. The Fury® AB can utilize a regular Kestrel® wind meter solely for environmental data. However, when paired directly with an AB Kestrel®, it is possible to utilize both the Fury® AB's ballistic solver and the Applied Ballistics® Kestrel's® ballistic solver simultaneously. This can be advantageous when shooting two different firearms or shooting with a friend, as the two devices can give independent solutions for the different firearms.

### DO I NEED TO HAVE MY SMART PHONE WITH ME WHILE USING THE FURY® AB?

No. The Fury® AB can be setup and synced to the Fury HD App ahead of time so that all settings and three firearm profiles are saved to the device itself. However, if changes are needed to settings or the firearms profiles, that can only be done through the app and will need to be paired and synced to update the device.

### DO I NEED CELL PHONE RECEPTION TO BE ABLE TO UTILIZE THE FURY HD APP WITH MY FURY® AB?

No, the devices pair via Bluetooth®. It is important to note that Bluetooth® must be turned on for both the Fury® AB and the smart phone for the devices to pair.

### WHERE IS THIS UNIT MADE?

Country of origin at launch is China. Country of origin will transition to Myanmar in Spring 2021.

