

Wilcox's Rapid Targeting & Ranging Module - SABER (RAPTAR-S™) utilizes the same proven technology as the original RAPTAR™ with an Infra-Red (IR) Laser, Visible Laser, IR Flood, and Laser Range Finder (LRF). In addition, the RAPTAR-S™ features an Applied Ballistics Solver for precise accuracy at extremely long ranges.

PRODUCT DESCRIPTION

- Extremely accurate Fire Control Solutions for long range target engagements using the Applied Ballistics Solver.
- Select either G1 or G7 Ballistic Coefficient or use one of the custom drag curves as measured by Bryan Litz for the most accurate solutions at extreme long range.
- Accounts for all contributing environmental variables including Coriolis, spin drift, and aerodynamic jump.
- “Train” (or calibrate) the software to match your specific rifle based on observed impacts at long range.
- Expandable with emerging technology, producing an overall cost savings throughout the lifecycle.



FEATURES

- Laser Range Finder (LRF)
- Infrared Aiming Laser/ Visible Aiming Laser
- Variable Infrared Illuminator (Flood to Spot)
- Intuitive User Interface
- Integrated Ballistic Engine
- Temperature/Humidity Reading
- Inclination, Cant, and Heading Reading
- Optional GPS and Bluetooth capability

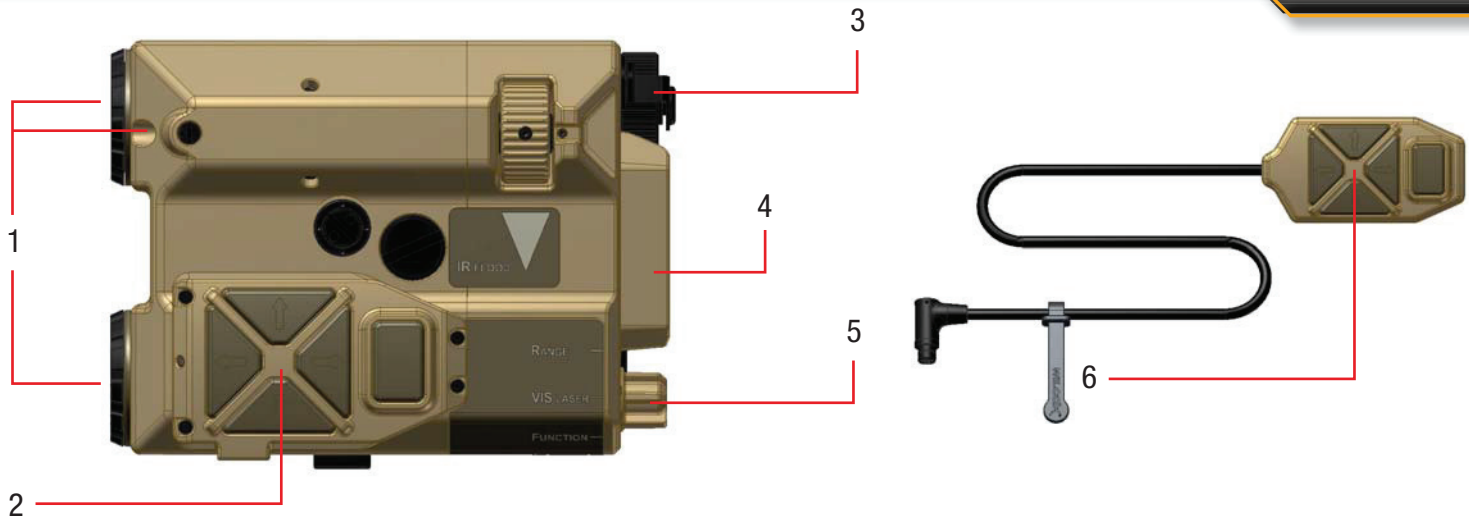
PART NUMBERS

57300G01-B	RAPTAR-S, (Black)
57300G01-T	RAPTAR-S, (Tan)
57300G02-B	RAPTAR-S, ES (Black)
57300G02-T	RAPTAR-S, ES (Tan)
57300G03-B	RAPTAR-S, HP (Black)
57300G03-T	RAPTAR-S, HP (Tan)



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PRODUCT SPECIFICATIONS

1. IR laser, VIS Laser, IR Flood, & Laser Rangefinder.
2. Menu Input & Selection Control Pad
3. Internal Battery Compartment houses One (1) CR123
4. Hooded OLED Display
5. Mode Selector Knob
6. 12" Remote Cable

USER INTERFACE SPECIFICATIONS

Display: 128x32 OLED
 User Interface: 5 Button Keypad

SENSOR SPECIFICATIONS

Temperature: +/- 1 degree C
 Pressure: +/- 0.02 inHg
 Humidity: +/- 3 %RH
 Inclination Measurement Accuracy: +/- 1 degree
 Cant Measurement Accuracy: +/- 1 degree
 Heading Measurement Accuracy: +/- 2 degrees
 GPS Accuracy: +/- 2 meters

BALLISTIC COMPUTER SPECIFICATIONS

Ballistics Solver: Full bullet flyout via 3DOF Solver
 Accuracy: 0.1 mils through Supersonic and Subsonic Flight
 Display: MILS, MOA, Clicks, Inches
 Units: Metric, English, Mixed/Dual
 Coriolis and Spin Drift: Computed using Heading and GPS Coordinates
 Drag Curve Support: G1/G7/Applied Ballistics Custom Drag Curve
 Ballistic Calibration: Muzzle Velocity and Drop Scale Calibration

SPECIFICATIONS

OVERALL SPECIFICATIONS

Total Operational Weight (Includes Battery and Remote): <308.0 gr (10.8 oz)
 Dimensions: 4.25" D x 3.19" W x 1.75" H
 Sight Plane Above the Rail: 0.930"
 Color: Black or Tan Matte Finish
 Water Resistance: Waterproof to 1 Meter
 Battery Type: One (1) 3V CR123A
 Battery Life: Over 7 Hrs on Dual High IR Laser Only
 Ranging Operation at 24C >2000 Ranges

LASER RANGE FINDER SPECIFICATIONS

Laser Range Finder: Eye Safe 1550 nm
 Minimum Range: 5 Meters
 Max Range: Target Size 0.5m x 2.0m Reflectivity 50% 1500m
 Range Accuracy: 1m
 Detection Probability: 90%
 Continuous Ranging: 1 Hz
 Range Acquisition Time: 1 Sec.
 (Refresh Rate can be improved upon request)

LASER SPECIFICATIONS

RAPTAR-S (G01):
 Visible Aiming Laser Red (635) <.7 mW up to <5 mW Low, 25 mW Max High
 IR Aiming Laser <.7 mW Low, 50 mW Max High
 IR Illuminator <.7 mW Low, 50 mW Max High

RAPTAR-S, ES (G02):
 Visible Aiming Laser Red (635) <.7 mW, Low, 25 mW Max High
 IR Aiming Laser <.7 mW Max
 IR Illuminator <.7 mW Max

RAPTAR-S, HP (G03):
 Visible Aiming Laser Red (635) <.7 mW up to <5 mW Low, 25 mW Max High
 IR Aiming Laser <.7 mW Low, 50 mW Max High
 IR Illuminator <.7 mW Low, 80 mW Max High

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