



## General

Physical Dimension

83.9 x 51 x 17.4 mm

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Display Resolution

240 x 320 pixels

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Operating Temp.

-10°C~50°C

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Log History

300 Hours

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Satellite Supported

GPS, Glonass, Galileo, Beidou, QZSS

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Alerts

Time/Distance/Speed/Cadence/Heart Rate

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Display Size

2.4 inches

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Waterproof Rating

IPX7

Lap History

130 Laps

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Battery Life

Up to 24 hours

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Display Type

2.4" Color TFT LCD

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Touchscreen

Yes

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Barometric Altimeter

Included

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Wireless

BLE (iOS & Android)

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Mount Compatibility

Proprietary Bryton Mounting System (3rd party mounts not covered by warranty)

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## Connectivity

WLAN

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Bluetooth Sensors

Heart Rate

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ANT+ Sensors

HR, Cadence, Speed, Power, Electronic Shifting System

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Electronic Shifting System Compatibility

Shimano Di2, SRAM, eTap, CAMPAGNOLO EPS

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Bryton Active App Compatibility

BLE (iOS & Android)

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Auto Sync to 3rd Party Platform

Strava, TrainingPeaks, Selfloops, Relive, today's plan

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Update Software / GNSS

Bryton Update Tool/Bryton Active App

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Golden Cheetach Compatible

Yes

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Bike Radar

Yes

# Cycling Features

Adjustable Backlight

Ambient Light Sensor

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Time/Distance Alerts

Yes

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Max Data Grid/Page

10 / 8

---

Smart Notifications

Yes (Incoming & Missed Call/Text/Email)

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Automatic Activities Upload

Yes

---

Auto Pause/Lap/Scroll

Yes

---

Altitude/Slope/Temperature

Yes

---

Bike Profile

Up to 3

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1s Recording

Yes

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On Device Route Download

Yes

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Advanced Workout

Yes

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Customizable Data Grid

Yes (On Device / Via Bryton Active App)

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Alerts

Yes

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On Device Summary

Yes

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Power Saving Satellite Mode

Yes

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# Navigation

Built-in Base Map

Yes

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Global Map Download

Yes

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Note: The Rider S500 comes with preloaded maps of major regions, but if the map doesn't display on the device, please go to DOWNLOAD > MAP to download the specific map of your area.

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Online Voice Search

Yes

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Navigation(Re-routing)

Yes

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POI/Address Search

Yes

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Track Navigation

Yes

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Retrace Route

Yes

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Plan Trip by multi-cycling types

Via Bryton Active App (Bicycle, MTB, Motorcycling, Vehicle)

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Back-to-start

Yes

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Advanced Follow Track

Yes

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