



General	Rider 750 SE	Series	Rider S500	Rider S800
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Unit Dimension (mm)	93 x 50.9 x 19.4		83.9 x 51 x 25.1	105 x 58.5 x 14.2
Touchscreen	•		•	•
Display Size	2.8"		2.4"	3.4"
Display Type	Color TFT LCD		High reflectance Color TFT LCD	MIP
Display Resolution (pixels)	240 x 400		240x320	272x451
Weight (g)	93 g		87g	106g
Battery Life (hrs)	40		24	36
Supported Satellites	GPS, Glonass(Russia), BeiDou(China), Galileo(Europe) and QZSS(Japan)			
Waterproof Rating	IPX7		IPX7	IPX7
Barometric Altimeter	•		•	•
Operating Temperature	-10°C~50°C		-10°C~50°C	-10°C~50°C
USB port	USB-C		USB-C	USB-C
Light Sensor	•		•	•

Training Features

Supported Bike Profile	3		3	3
Supported Bike Type	•		•	•
Customizable Data Grid	Via Bryton Active / On Device		Via Bryton Active / On Device	Via Bryton Active / On Device
Max Data Grid	12		10	12
Advanced Workouts	-		•	•
Planned Workouts	Via Bryton Active App / TrainingPeaks		Via Bryton Active App / TrainingPeaks	Via Bryton Active App / TrainingPeaks
Virtual Ride	•		•	•
Climb Challenge	•		•	•
Auto Pause	•		•	•
Lap / Auto Lap	-		•	•
Quick Status	Paired Sensors / Smart Notification / Smart Light Control		Paired Sensors / Lap Details/ Customizable Data	
Cycling dynamic	-		•	•

Navigation Features

Preloaded	Preload / Download by Bryton Update Tool			
Route Guidance	•		•	•
Reroute	• (On-device Reroute)		•	•
Turn by Turn Navigation	•		•	•
Distance to Next POI / Peak	•		•	•
Nearby, POI & Address Search	• (via Bryton Active App)		• (via Bryton Active App)	• (via Bryton Active App)
Back to Start	• (via Bryton Active App)		• (via Bryton Active App)	• (via Bryton Active App)
Plan Trip by Multi-Cycling Types on Bryton Active	•		•	•
Retrace (Breadcrumb Trails)	•		•	•
Reverse Route	•		•	•
Explore	•		-	•
Route Planning	• (via Bryton Active App)		• (via Bryton Active App)	• (via Bryton Active App)

Safety and Tracking Features

Live track	•		•	•
Group Ride and Chat	•		•	•
Bike Rearview Radar	•		•	•
Smart Notifications	•		•	•
In-use charging	•		•	•

Connectivity

Data Transfer	Bluetooth Low Energy		Bluetooth Low Energy	Bluetooth Low Energy
Automatic Activity Upload	•		•	•
3rd Party Activity Upload	Strava, Trainingpeaks, Selfoops, Relive, Today's plan			
ANT+ Sensors	HR / Spd / Cad / Pw / Rader / Light		HR / Spd / Cad / Pw / Rader / Light	HR / Spd / Cad / Pw / Rader / Light
Electronic Shifting System Compatibility	Di2 / eTap / EPS / K-FORCE WE(FSA)			
ANT+FE-C Smart Trainer	•		•	•
E-Bike	SHIMANO STEPS / ANT+LEV		SHIMANO STEPS / ANT+LEV	SHIMANO STEPS / ANT+LEV