

	Jolt Sensor	Riddell InSite	Fitguard	Shockbox	X-Patch Pro	Cue Sport Sensor
Battery life	2 months Rechargeable	N/A	N/A	125h (active/sleep technology)	N/A Rechargeable	
Weight/Size	0.25 oz	N/A	N/A		Approximately quarter sized	Approximately quarter sized
Vibration Accuracy	It clips onto a strap, leaving a lot of wiggle room		Sensors in a mouth guard have a higher correlation to the center of gravity of the brain	Adhesive tape on helmet may reduce accuracy	Attached to ear for greater accuracy	Made for helmets, headband, and skull caps. vary depending on how secure and where
User Interface Latency	Cell phone app	Wireless notification device/ computer database	Cell phone app that then uploads a DB	Cell phone app	App	Mobile devices, tablets, or smart watches
Price	\$99	\$400 (entire helmet sold as unit)	\$140	\$240	N/A	\$99
Transmission Range	600ft	N/A	Bluetooth to smartphones (seems like only one player per smartphone)	100m	N/A	N/A
Technology used to detect force	2 sensors one for 200 Gs another for 20 Gs for finer accuracy	5 pads inside helmet to detect impacts	Sensors sample rates of acceleration. Triggers alarm once acceleration reaches threshold.	N/A	N/A	N/A
Notes	Clips onto helmet straps	Pads inside helmet Seems to still be in development? Not able to find information for battery life or weight. The UI looks very outdated on a pixel screen.	Mouthpiece, in development. Software will be programmable to choose thresholds based on age, weight, and gender.	Different attachment for each helmet, in use currently. Has 3 separate alerts for exceeding 20G, 50G, and 90Gs	Wear behind ear because data from sensors embedded in helmet proved unreliable	Provides information for top speed, distance traveled, body angle, and acceleration. Can store data offline