

shockbox[®]
Sports Helmet Sensors

Know
when a Hit is too
Hard.



Shockbox Sports Helmet Sensors

Helmets prevent skull fractures, not concussions. As a trainer or parent – how do you know when a rider has suffered a concussion? The Shockbox[®] sensor provides an immediate visual alert via Bluetooth[™] transmission to your Smartphone that a rider has experienced an at risk head impact that may result in concussion.

Studies have shown that many concussions go undetected and that multiple concussions can lead to serious lifelong physical and cognitive health issues. Shockbox[®] is a tool that allows trainers or parents to keep a history of head impact data assisting them in making more informed decisions from the sidelines for bull riders who may be at risk of receiving a concussion.



InVinci  **BULL**
powered by **shockbox**[®]

Shockbox[®] Specifications



Size	9.4cm length (3.7 inch)
Weight	28g (0.98oz)
Battery Power / Type	Rechargeable Li-Ion with micro USB (>100 hrs life)
Alert Type	Visual and Audible alert
Sensor Range	100m (325ft)
Smartphone Compatibility	Android/ iPhone/ iPad
Shock Resistant	Yes
Operating Temperature	-20°C to 40°C (-40°F to 105°F)
Adhesion	High bonding Velcro Adhesive tape to inside of helmet

Shockbox[®] Software

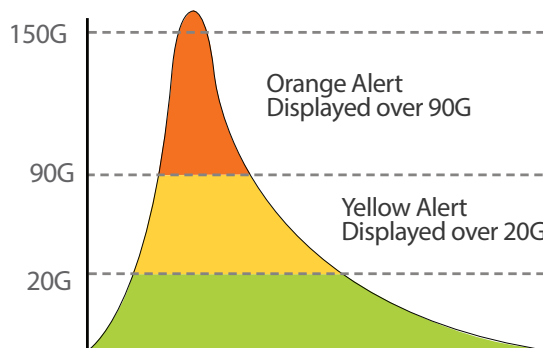
- Software downloaded direct from App stores
- Records date, time, hit direction and force estimate
- Allows data to be forwarded via email or SMS
- Simple - easy to use software and sensor
- Affordable - no large installation costs
- Works on standard smartphones
- Tracks hit count details for individual Riders
- Battery status and pairing button on sensor

Impact Detection

The Shockbox[®] software receives data from the sensor and converts it to a visual color coded alert. Each alert indicates that an impact has occurred within a range of Peak G acceleration. Peak G is one of the most reliable and standard methods of head impact biomechanical analysis. The alert provides the user with a quantifiable measure of the head impact in order to start concussion protocols.



 **Bluetooth[®]**



Apps Available for | iPhone & Android



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