

Technical Specifications



Position resolution	0.5 mm
Tether extension	3.66 m / 12 ft
CPU	32-bit ARM® Cortex™-M4
Encoder type	Optical
Sampling rate Variable rate sampling	50Hz
Angle resolution	0.1°
Angle range Horizontal movement correction	-50° to +70° (Practical -45° to + 45°)
Bar path	YES – 2D
Max velocity	6.5 m/s
Battery	Rechargeable 18650 3.4Ah Lithium ion
Battery life	>50 hours of continuous use
Charge port	5V Micro USB
Time to full charge	5 hours
Comms interface	Low energy wireless
Housing	Rubberised base with magnetic feet
Overhead mountable	YES (with bracket)
Tether rating	113 kg / 250 lbs
Tether replacement	User replaceable
Tether attachment	Quick connect magnetic + Velcro
Weight	1.15 kg / 2.54 lbs
Dimensions	107 mm x 95 mm x 99 mm / 4.21" x 3.74" x 3.9"

Technical Specifications



Laser range	2.2 m
Wireless range	Approx. 10 m
Sampling rate Variable rate sampling	50Hz
Bar path	YES – 2D
Max velocity	6.5 m/s
Battery	Rechargeable 1.2Ah Lithium ion
Battery life	10 hours of continuous use
Time to full charge	3 hours
Charge port	5V Micro USB
Comms interface	Bluetooth LE (5.0)
Barbell sleeve diameter (to fit)	49 – 50.5 mm
Weight	175 g / 0.38 lbs
Dimensions	52 mm x 66 mm / 2" x 2.5"
Reflective mat weight	400 g / 0.89 lbs
Reflective mat dimensions	1,200 mm x 3,800 mm / 4" x 16"