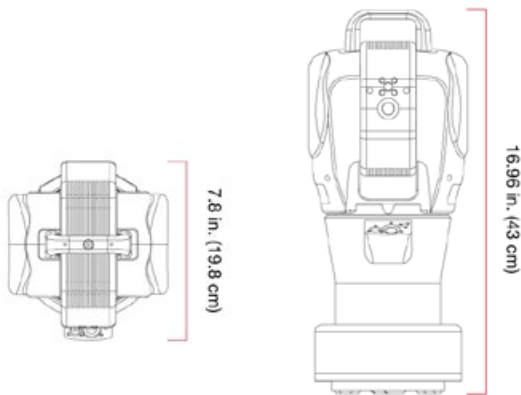




OMNITRAC 2

Wireless Laser Tracker



Parameter	Specification
Range of Measurements	
Linear Range (Diameter):	200 m (with selected targets) 160 m (525 ft with 80m target)
System Performance	
Azimuth Range:	± 320° (640° end to end)
Elevation Range:	+ 79° / -59°
Angular Resolution:	± 0.018 arc seconds
System Angular Accuracy:	3.5 μm/m*
System Resolution:	0.02 arc seconds
Maximum Lateral Target Speed:	180° / sec
Maximum Acceleration:	> 2 g
Maximum Battery Life	6 hours (internal battery)**
Internal Level Accuracy:	±2 arc-second
Internal Level Range	±2 degrees
ADM2	
IR Laser (ADM-Maxx™):	Class I (eye safe)
Accuracy:	± 25 μm or 1.5 μm/m* (which ever is greater)
Resolution:	0.1 μm
Environmental	
Operating Temperature:	-10° C to > 45° C
Storage Temperature:	-10° C to 60° C
Barometric Pressure:	8 mmHg - 825 mmHg
Relative Humidity:	10-95% non-condensing
Altitude:	-700 m - 3000 m
Autolock (Automated Target Search)	
Full range pointing accuracy	2"
Field of Vision:	±12.5° (diagonal)
Dimensions	
Tracker Weight:	10.9 kg (24 lb)
Tracker Size:	Height: 43 cm (16.95 inches) Width: 19.8 cm (7.8 inches)

*Specifications are 2 sigma

**Capable of hot-switching with External battery

EN0114

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