



OMNITRAC™

Ultra-Portable Laser Tracking System



Parameter

Specification

Range of Measurements Linear Range (Diameter):	OT-60™ >120 meters (>400 feet)
Angular Range Azimuth: Elevation:	± 320° (640° End to End) + 77° / -60°
Angular Resolution: Distance Resolution: Maximum Lateral Target Speed: Maximum Acceleration: Internal Level Accuracy:	± 0.018 arc-seconds 1µm > 3meters/sec > 2 g ±2 arc-second
Absolute Accuracy of a 3D Coordinate Static Measurement (TurboADM):	18µm + 6ppm (2 sigma)
Laser Diode Laser (Visible/Pointer): IR Laser (TurboADM) Resolution: ADM Accuracy:	Class II (eye safe) Class I (eye safe) 0.1µm 18 µm or 1.5ppm x range to tracker, whichever is greater
Weight Tracker: Controller:	8.5kg (18.5 lb) 3.2kg (7 lb)
Size Tracker: Control Box:	185mm x 190mm x 360mm (7.3 in x 7.5 in x 14.2 in) 110mm x 160mm x 310mm (4.3 in x 6.3 in x 12.2 in)
Environmental Air Temperature: Barometric Pressure: Relative Humidity: Altitude:	-10°C - 45°C (14°F - 113°F) 580mmHg - 800mmHg 10-95% non-condensing 3000 meters (9842.49 ft)

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