



TRACKER 3™

Ultra-Portable Laser Tracking System



Parameter

Specification

<p>Range of Measurements Linear Range (Diameter):</p>	<p>T3-15 30 meters (98 feet) T3-40 80 meters (262 feet) T3-60 >120 meters (>400 feet)</p>
<p>Angular Range Azimuth: Elevation:</p> <p>Angular Resolution: Angular Accuracy: System Resolution: Maximum Lateral Target Speed: Maximum Acceleration: Internal Level Accuracy:</p>	<p>± 320° (640° end to end) + 77° / -60°</p> <p>± 0.018 arc seconds 3.5µm/meter 0.1µm > 4 meters/sec > 2 g ±2 arc-second</p>
<p>Absolute Accuracy of a 3D Coordinate Static Measurement (IFM):</p>	<p>±5ppm (2 sigma)</p>
<p>Laser HeNe Laser (IFM) Resolution: Accuracy:</p> <p>IR Laser (ADM) Resolution: Accuracy:</p>	<p>Class II (eye safe) 0.08µm > ±0.5 ppm</p> <p>Class I (eye safe) 0.1µm > ±15µm or 1.5ppm</p>
<p>Weight Tracker: Controller:</p>	<p>8.5kg (18.5 lb) 3.2kg (7 lb)</p>
<p>Size Tracker: Control Box:</p>	<p>185mm x 190mm x 360mm (7.3 in x 7.5 in x 14.2 in)</p> <p>110mm x 160mm x 310mm (4.3 in x 6.3 in x 12.2 in)</p>
<p>Environmental Air Temperature: Barometric Pressure: Relative Humidity: Altitude:</p>	<p>-10°C to > 45°C (14°F to > 113°F) 580 mmHg - 800 mmHg 10-95% non-condensing 3000 meters (9842.49 ft)</p>

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