



# TRACKER 3™

Ultra-Portable Laser Tracking System



## Parameter

## Specification

<p><b>Range of Measurements</b></p> <p>Linear Range (diameter):</p>	<p>T3-15 30 meters (98 feet)                      T3-40 80 meters (262 feet)                      T3-60 &gt;120 meters (&gt;400 feet)</p>
<p><b>Angular Range</b></p> <p>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                      &gt; 3 meters/sec (120 ° /sec)                      &gt; 2 g                      ±2 arc-second</p>
<p><b>Absolute Accuracy of a 3D Coordinate</b></p> <p>Static Measurement (IFM):</p>	<p>±5ppm (2 sigma)</p>
<p><b>Laser</b></p> <p>HeNe Laser (IFM)                      Resolution:                      Accuracy:</p> <p>IR Laser (ADM)                      Resolution:                      Accuracy:</p>	<p>Class II (eye safe)                      0.08µm                      &gt; ±0.5 ppm</p> <p>Class I (eye safe)                      0.1µm                      &gt; ±15µm or 1.5ppm</p>
<p><b>Weight</b></p> <p>Tracker:                      Controller:</p>	<p>8.5kg (18.5 lb)                      3.2kg (7 lb)</p>
<p><b>Size</b></p> <p>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><b>Environmental</b></p> <p>Air Temperature:                      Barometric Pressure:                      Relative Humidity:                      Altitude:</p>	<p>-10°C to &gt; 45°C (14°F to &gt; 113°F)                      580 mmHg - 800 mmHg                      10-95% non-condensing                      3000 meters (9842.49 ft)</p>

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