

# Leica Absolute Tracker AT500

## Key features

**Productivity made easy**

Built-in controller and single-button operation for quick start measurements.

**PowerLock**

Interrupted line-of-sight automatically re-established with no user interaction.

**Portable probing**

> Measure hidden points and features with Leica B-Probe<sup>plus</sup> with no need to carry additional adaptors.  
> Long styli and punch tool can be used to mark the part.

**Integrated hot-swappable batteries**

Quick and easy cable-free setup in almost any location.

**Orient-to-gravity function**

Allows for measurement with the Z-axis aligned to gravity – ideal for levelling and alignment tasks.

**Real-time remote management**

Compatibility with HxGN SFx | Asset Management, the leading solution for Industry 4.0 metrology device management.

**Built-in connectivity**

Connect to control PC by WiFi for completely wireless operation, or even through bluetooth to a smartphone or tablet with the AT500 Connect App.

**Large volume**

Measure within a volume up to 320 metres in diameter.

**ISO certification**

System traceability certified in line with ISO 17025.

**Extended working temperature range**

Guaranteed functionality in environmental temperatures from -15°C to +50°C.

**Overview camera**

High-resolution display features live view and multiple zoom levels with no reduction in image quality.



# Leica Absolute Tracker AT500

## Key features for benchmarking

### Does the laser tracker deliver the following benefits?

|                                  | Leica Absolute Tracker AT500   | Other tracker |
|----------------------------------|--|---------------|
| <b>General</b>                   | Can it measure within a volume up to 320 m in diameter?  | ✓             |
|                                  | Can it lock onto a target with just 10 microns of uncertainty at any distance within range?  | ✓             |
|                                  | Is it IP54 certified to ensure system protection in harsh environments and minimise downtime?  | ✓             |
|                                  | Does it have an internal levelling sensor accurate to within just $\pm 1$ arcsec?  | ✓             |
|                                  | Can it work in challenging temperatures, from -15 to +50°C?  | ✓             |
|                                  | Does it come with a 1-year metrology software licence included?  | ✓             |
|                                  | Is it compatible with an asset monitoring solution that provides information about the device's health and location?   | ✓             |
|                                  | Can the tracker start measuring right out of the box?  | ✓             |
| <b>Portability</b>               | Does the battery come as a standard accessory at no additional cost?   | ✓             |
|                                  | Can the batteries be carried on an airplane (< 100 Wh)?  | ✓             |
|                                  | Can the batteries be hot-swapped, allowing for longer operation without switching off the instrument?  | ✓             |
|                                  | Is it possible to access system information and level the tracker using a smartphone?  | ✓             |
| <b>Probing</b>                   | Does it offer a 6DoF probing solution that allows for measuring hidden points and features?  | ✓             |
|                                  | Is the tracker and the probe specified according to the international ISO 10360-10 standard?   | ✓             |
|                                  | Can the probe work with a punch tool to facilitate accurate drilling operations or the alignment of a part on a milling machine?                                     | ✓             |
|                                  | Does the probe offer long styli options (> 600 mm)?  | ✓             |
| <b>Certification and service</b> | Does it come with ISO 17025 certification to ensure the traceability of the calibration process?   | ✓             |
|                                  | Does it come with a 2-year factory warranty as standard?   | ✓             |
|                                  | Does it have 10 years of guaranteed serviceability, allowing more time to plan for a replacement?  | ✓             |
|                                  | Does the supplier have service centres all over the world to minimise shipment costs, avoid customs bureaucracy and provide top-quality service in a local language? | ✓             |

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