



Leaders in Latest
Measuring Solutions



HEXAGON
METROLOGY

LEICA ABSOLUTE TRACKER AT960 LR





360°



+/-145°

Leica Absolute Tracker AT960 is a **complete solution for six degrees of freedom (6DoF) probing, scanning and automated inspection** as well as reflector measurement.

This fits in a single flight case. So that, it can be transported easily, unpacked quickly and it powered up in minutes to deliver high-performance measurement almost anywhere.

Its **Absolute Interferometer (AIFM)** enables accurate high-speed measurement to a moving target while the innovative PowerLock function ensures an interrupted beam is instantly re-established without user intervention and reducing operator workload.

Measurement volume of up to 160 metres in diameter.

AT960 is compatible with Leica T-Probe and Leica Absolute Scanner technology.

Technical Specifications

| | |
|----------------------------------|--|
| Accuracy | $U_{x,y,z} = \pm 15 \mu\text{m} + 6 \mu\text{m/m}$ |
| Angle accuracy | $\pm 15 \mu\text{m} + 6 \mu\text{m/m}$ |
| Distance accuracy AIFM | $\pm 0.5 \mu\text{m/m}$ |
| Dynamic lock on | $\pm 10 \mu\text{m}$ |
| Environmental working conditions | |
| Dust/Water | IP54 (IEC 60529) |
| Operating temperature | 0°C to +40°C |
| Data output rate | 1000 points/sec |
| Measurement volume (Ø) | 160 m* |



Leica T Probe III

A small, light, user-friendly and more accurate hand-held probe in the world, the Leica T-Probe gives you more than 6 Degrees of Freedom.

Features

- ❑ Largest armless operation measurement volume of up to **60 m (196 ft)**.
- ❑ Wider acceptance angle than any comparable system: pitch $\pm 45^\circ$, yaw $\pm 45^\circ$, roll 360°
- ❑ Battery-powered for wireless operation
- ❑ Automated probe identification reduces operator errors
- ❑ User-assignable multi-function buttons for individual application functionality for all buttons
- ❑ Compatible with a wide range of styli available, incl. 100 mm, 200 mm and longer
- ❑ Point rate output of 1,000 points per second
- ❑ **Tracking speed > 1 m/s**
- ❑ Precise quick release and automated stylus recognition for exchanging styli without calibration.



Leica Absolute Scanner AS1 -XL

The world's first large-scale handheld 3D laser scanner

An extra-wide scan line, large standoff and high measurement speed combined with advanced SHINE technology for intelligent data handling – the AS1-XL is a quantum leap forward for the non-contact measurement of large surfaces.

| | |
|------------------------|----------------------------|
| Accuracy (sensor) | 0.134 mm |
| Point acquisition rate | up to 1.2 million points/s |
| Line width (mid) | 600 mm |
| Standoff | 700 ± 300 mm |



ENGINEERING