



LEICA ABSOLUTE TRACKER AT960

Features and
technical data



METROMECAÁNICA
INDUSTRIAL METROLOGY

LEICA AT960

SYSTEM DESCRIPTION

The Leica Absolute Tracker AT960 is a robust, all-in-one laser tracker that fits in a single flight case. Offering high-speed dynamic measurement as standard, it is a complete solution for six degrees of freedom (6DoF) probing, scanning and automated inspection as well as reflector measurement.



Overview camera

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



PowerLock

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



Multifunctionality

Compatible with

> reflectors and Leica T-Probe for single-point measurement



> Leica Absolute scanner LAS and LAS-XL and Leica T-Scan 5 for non-contact 3D scanning



> automated robotic installations



Real-time data output

1000 Hz low-latency Ethercat data transfer with the optional Real-Time Feature Pack



Hot-swappable battery power

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



Built-in WiFi

For simple set up and communication with the PC and remote control operation



Large volume

Measure within a volume up to 160 metres in diameter



IP54 protection

IEC-certified sealed unit guarantees ingress protection against dust and other contaminants



ISO certification

System traceability certified in line with ISO 17025



Real-time remote monitoring

Compatibility with HxGN SFX | Asset Management, the leading solution for of Industry 4.0 asset performance management



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OPCIONES



LEICA T-Probe

Leica T-Probe, the "Walk-Around" armless wireless device for probing of hidden, hard-to-reach points and measuring of up to 9 cars in one setup with minimal setup times, sets new standards by increasing accuracy, offering a ten-fold increase in point acquisition rate and providing user-assignable multi-function buttons.

Small, light, accurate and user-friendly. The Leica T-Probe gives you more than 6 Degrees of Freedom: It gives you the right way to measure. Now featuring longer styli, Leica T-Probe reaches up to 60 m (196 ft) (\emptyset) in any dimension.



Leica Absolute Scanner LAS

Leica Absolute Scanner LAS collecting accurate point-cloud data in measurement volumes of up to 60 metres, LAS-20-8 combines the six degrees of freedom (6DoF) measurement capabilities of the Leica Absolute Tracker AT960 coordinate measuring machine (CMM) with a lightweight and ergonomically-designed handheld laser scanner unit to provide a complete and user-friendly portable 3D scanning solution.

Optimised for manual inspection applications and offering excellent performance in non-contact freeform surface inspection, the LAS-20-8 handheld laser scanner is packed with operator-friendly features.

LEICA AT960

APPLICATIONS

- Aerospace industry.
- Heavy vehicles.
- Energy generation.
- Navy building.



TECHNICAL DATA

Angle precision: $\pm 15 \mu\text{m}$.

Distance precision: $\pm 0.5 \mu\text{m/m}$.

Data output: 1000 points/seconds.

With a 3D measurement volume up to 160 meters in diameter and a 6DoF measurement volume up to 40 meters in diameter.

Battery operated for easier cordless transfer, one day shift duration.

Very short warm-up time.