

Leica Absolute Tracker AT930

Key features

Our premium 3D tracker, for high-accuracy reflector measurements that can support a range of applications.

It delivers fast, accurate and reliable 3D measurement for intuitive reflector-based workflows.

Precise



Orient-to-gravity function

Allows measurements to be taken with the Z-axis aligned to gravity, making it ideal for levelling and alignment tasks.



ISO certification

System specified according to ISO 10360-10 in a calibration lab certified according to ISO 17025.



Large volume

Measure within a volume of up to 160 m in diameter.

Portable



Built-in Wi-Fi

For simple setup and communication with the PC and remote control operation.



Hot-swappable battery power

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



IP54 protection

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

Versatile and fast



Multifunctionality

Compatible with the wide-angle Super CatEye Reflector $\pm 75^\circ$, it is perfect for large-scale environments and machine calibration.



Real-time data output

1,000 Hz low-latency EtherCAT data transfer with the optional Real-Time Feature Pack.



PowerLock

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



Overview camera

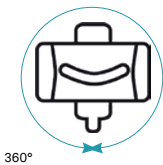
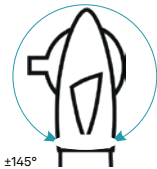
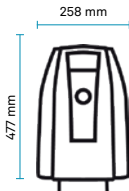
Integrated camera to control the tracker and find targets remotely.



Technical specifications

General information	Tracker size weight	477 x 258 x 238 mm 14.2 kg
	Controller size weight	249 x 148 x 59 mm 1.65 kg
	Measurement range	3D: 0 to 80 m
	Measurement frequency	1000 Hz
	Laser class	Class 2
	Overview camera	5 MP
Environmental	Operating temperature	0°C to +40°C
	Relative humidity	max. 95% non-condensing
	Operating elevation	-700 m to +5500 m
	Dust water	IP54
Interface	Cable	Cat6
	Wireless	WLAN (IEEE 802.11n)
Power management	Battery type	Lithium-ion battery swappable
	Typical battery runtime (single charge)	6 hours
	Mains	AC power supply
Accuracy	Angular performance $E_{\text{two-face,MPE}}^1$	$\pm 15 \mu\text{m} + 6 \mu\text{m/m}$
	Interferometer eIFM	$\pm 0.4 \mu\text{m} + 0.3 \mu\text{m/m}$
	Absolute Distance Meter eADM ¹	$\pm 10 \mu\text{m}$
	Length measurement $E_{\text{distance,MPE}}^1$	$\pm 21 \mu\text{m} + 8.5 \mu\text{m/m}$
	Inclination sensor	$\pm 1.0 \text{ arcsec}$
	Orient to gravity U_z	$\pm 15 \mu\text{m} + 8 \mu\text{m/m}$

¹ Maximum Permissible Error (MPE) specifications in accordance with ISO 10360-10:2021 using Leica 1.5'' Red Ring Reflectors (RRR).



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