Meridian

MTS-A1

Android Total Station



The MTS-A1 features a 6-inch HD touchscreen with Android OS and surveying software, equipped with a high-resolution camera to improve efficiency and accuracy, MTS-A1 offers high-quality, high-accurate and stable performance.

- 6-inch TFT Screen
- AR Camera
- Hot-swappable Support
- EDM 1000m
- 4GB RAM + 64GB ROM
- Wireless Connection
- Type-C
- Android

Precise Visual Stakeout
HD image guidance, with real-time image guidance, locate points effortlessly, rapidly, and accurately-making staking simpler and more efficient than ever.

CAD Stakeout
Powered by a high-performance CAD engine, lightning-fast drawing loading. Experience dynamically precise, visible staking-truly achieving What you design is what you see; what you see is what you get measured.

M-survey Software Operation
Command your total station from your palm.Replace complex instrument logic with intuitive mobile control, power lines and more. Dataauto-saves to mobile devices, seamlessly bridging field and office workflows.

Hot-swappable Battery system
Zero downtime power transition, featuring an integrated buffer battery and dual-battery control system, achieve uninterrupted operation during battery swaps, empowering continuous measurement without interruption.



APPLICATION:


Bridge


Construction


Mining


Tunnel


Railway


Road

SPECIFICATIONS:

Angle Measurement	Accuracy	2"
	Reading System	Absolute, ontinuous four-quadrant
	Display Resolution	0.1″
Telescope	Magnification	30x
	Field Of View	1°30′
	Minimum Focus Distance	1.7m
	Resolution	2.8"
	Pointer	Red laser dot
Tilt Compensation	System	Dual axis
	Working Range	±4′
	Resolution	1"
Distance Measurement Range	Single Prism Mode	4000m
	Reflector	2000m
	Non-Prism Mode	1000m
Distance Measurement Accuracy	Standard Prism Mode	±1 mm+1 ppm
	Reflecterless & Non-Prism	D<500 m: ±2 mm + 2ppm | D>500 m: +3 mm + 2ppm
Measurement Time	Standard Prism Mode (Tracking/Precise)	0.1 / 0.3 sec
	Refectoress	Fine: 0.7s Rapid: 0.5s Tracking: 0.3s
Level Vial Sensitivity	Tube Level	30″ / 2 mm
	Circular Level	8′ / 2 mm
Laser Plummet	Laser Type	Red laser dot, 635 nm
	Accuracy	1.5 mm (Instrument Hight 1.5 m)
Android Configuration	Android Platform	MediaTek G81, 4GB RAM+ 64GB ROM
	Display Screen	6 inch Touch Screen: 2* 1280*720 (16:9)
Communication	Interface	1* Nano sim card, Type-C(OTG), 1* USB
	Wireless	Bluetooth 5.0, Wifi
Environmental	Operating Temperature	-20℃~55℃
	Storage Temperature	-30℃~55℃
	Waterproof/Dustproof	IP54
Electrical	Battery Voltage/Capacity/Type	Li-ion rechargeable battery, 7.2V, 7000mAh
	Stakeout Camera	8 MP AR camera
Physical	Dimensions	217 x 198 x378 mm, 7kg

*The above technical parameters are for your reference. The company reserves the right to change the design and planning of the product based on the actual product.

Website: **www.meridiangnss.com**
Manufacture: **Guangzhou Meridian GNSS CO., LTD.**
Address: Building 3, No. 6, Hanqi Avenue, Dalong Street, Panyu District, Guangzhou, PRC.
Email: info@meridiangnss.com Tel: +8615241043026