

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



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. Data auto-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	1"/2"(Optional)
	Reading System	Absolute, ontinuous four-quadrant
	Display Resolution	0.1"/1"
Telescope	Magnification	30x
	Field Of View	1°30'
	Minimum Focus Distance	1.7m
	Resolution	0'
	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
	Reflectorless & 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 DDR4x + 64GB eMMC
	Display Screen	6 inch Touch Screen: 2* 1280*720 (16:9)
Communication	Interface	1* Nano sim card, 1* T card, Type-C(OTG), 1* USB2.0, 1* USB
	Wireless	Bluetooth 5.0, wifi, GPS GLONASS, BDS,Galileo
Environmental	Operating Temperature	-20°C~55°C
	Storage Temperature	-30°C~55°C
	Waterproof/Dustproof	IP65
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