

AM02i

Android Total Station



AM02i

The AM02i Total Station features a 6-inch touchscreen, Android 14 OS, and 4+64GB memory for smooth, efficient operation with ApekSurv software.



Equipped with a powerful EDM system, It delivers 2" angle accuracy, 1000 m reflectorless and 4000 m prism range, powered by two 7,000 mAh battery for long-lasting fieldwork. Smart, precise, and reliable—designed for modern surveying tasks.



Android 14 OS



Touchscreen



Accuracy



1KM Non-prism
4KM Prism



4GB RAM
64GB ROM



ApekSurv APP



CAD Stakeout



2x7000mAh
Battery



Strong Android System

Features a 6-inch touchscreen, Android 14 OS, and 4+64GB memory for smooth, efficient operation with ApekSurv software and integrated with third-party apps enhances workflow efficiency.



Dual-Axis Compensator Accuracy

Equipped with a dual-axis compensator, the AM02i ensures stable 2" measurements, with 1,000 m reflectorless and 4,000 m single-prism range for reliable results.



Versatile Data Interfaces

Features TypeC, SIM card slot, USB, Bluetooth, and Wi-Fi connectivity for fast data transfer, integration with external devices, and efficient management of field data.



High-efficiency Surveying Software

Runs ApekSurv software, providing a wide range of measurement methods, including CAD stakeout, road stakeout, earthwork calculation, side measurement, height measurement, and area measurement, all switchable with a single click.



Long-Lasting Field Battery

Powered by two 7,000 mAh battery, the AM02i supports extended field operations, ensuring continuous work throughout the day even in remote or challenging conditions.

Angle Measurement

Angle Accuracy	2"
Angle measurement method	Absolute Encoding
Display resolution	1"

Distance measurement

Range	• Reflectorless: 1000 m • Reflective sheet: 2000 m • Single prism :4000 m
Accuracy	• Prism group: $\pm(2\text{mm}+2\text{ppm})$ • Reflectorless: $\pm(3\text{mm}+2\text{ppm})$ • Reflective sheet: $\pm(3\text{mm}+2\text{ppm})$
Measurement time	• Initial fine measurement: < 0.7s • Rapid measurement: < 0.5s • Tracking measurement: < 0.3s
Minimum display	Measure and track : 0.1mm

Telescope

Image	Erect
Magnification	30X
Field of View	1°30'
Minimum Focusing Distance	1.7m
Resolution	2.8"

Compensator

System	Dual-Axis Compensation
Compensation Range	$\pm 4'$
Setting precision	$\pm 6''$
Trigger	Under battery house

Vial

Tube Level	30" / 2 mm
Circular Vial	8' / 2 mm
Laser Plummet	Red laser 635nm

Communication

Operation System	Android 14
CPU	MT6769
Storage	4GB RAM + 64GB ROM
Interface	• 1x Nano sim slot • 1xType-C • 1xUSB2.0
Bluetooth	BT5.0 BLE
Wifi	WLAN 1x1 802.11a/b/g/n/ac (Dual Band 2.4 & 5GHz)
2G/3G/4G	• GSM: 850/900/1800/1900 • WCDMA: B1/B2/B5/B8 • LTE-TDD: B34/B38/B39/B40/B41 • LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B26/B28/B66

Display

Display	Dual-side LCD graphic touch screen
Size	6"
Resolution	1280*720
Graphic Display	• Max: 99999999.999 m • Min:0.1 mm

Battery

Li-ion battery capacity	Rechargeable Li-ion battery 7.2V (DC) / 7000mAh
Working hours	10 hours

Environment

Operating Temperature	-20°C ~+50°C(-4°F to +122°F)
Storage Temperature	-40°C ~+50°C(-40°F to + 122°F)
Dust&Water Proof	IP55,95%, non-condensing

Size & Weight

Size	200 x 200 x 355 mm (7.68 x 7.28 x 14.37 in)
Weight	5.6kg



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