BTS-962E

ANDROID Total Station

When android combines with a TotalStation, the work is an enjoyment.

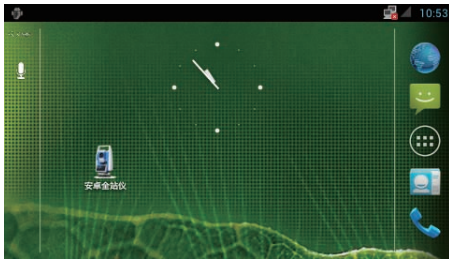|					
Android platform	Reflectorless	Absolute coding angle measurement	High-speed processor	4.3-inch TFT touch screen	HDMI high definition interface
2GB memory card	Liquid biaxial compensation	Graphical measurement software	Multiple data transmission	Large-capacity Lithium battery	

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4.3-inch color TFT capacitive touch screen is used as the display panel to make the operation results rich and colorful.

With SDK、J2ME、SQLite，you can write measurement program by yourself.

Characteristscs

The current popular Android 4.0.3 operating system is adopted; the user interface is more intuitive and friendly; the graphical measurement application program makes the measurement process easy and simple like using a mobile phone and the measurement results are quite obvious and clear.

Without prism is a standard configuration 350m, it is equipped with infrared laser guide sign function.

Absolute coding scale, initialization is not needed when the device is started; data will not be lost in power failures due to low battery or emergencies.

Samsung S5PV210 core processor is adopted, which based on CortextTM-A8, its operational main frequency is 1GHz; it has a built-in PowerVR SGX540 high-performance graphics engine, which supports smooth 2D/3D graphics acceleration; its performance is outstanding and the resources are abundant.

SLC NADA Flash:512MB(256MB/1G SLC NADA Flash are optional)
Support SD Card extension.

The liquid biaxial compensator guarantees the measurement accuracy of the device.

Various interfaces (GPS, image sensor, Bluetooth, etc.) are reserved; external displays (HDMI) are supported; the operation training is more intuitive.

Numerous standardization techniques are utilized for the Android Total Station, which provides multiple connection modes; the data exchange is simple, which supports USB, SD card, Bluetooth, WLAN, csv universal data formats and so forth.

4200mAH large-capacity lithium battery is able to satisfy the measurement operation of a whole day.

In order to satisfy users' needs for simple and abundant measurement application programs, Bofei developed BTSS graphical measurement software which performs graphical deduction for regular measurements and the ones in specific fields to make the operation results obvious and clear.

	Model	
	Distance measurement	
	Measurement mode	Laser
	Single prism	5.0km
	Triangular prism	
	Reflectorless	350m
	Ranging accuracy	±(2mm+2ppm*D)
	Minimum display	
Distance measurement part (in good weather conditions)	Fine measurement	1mm
	Rapid measurement	1mm
	Tracking measurement	1mm
	Measuring time	
	Fine measurement	1.8s (2.5s for the first time)
	Rapid measurement	0.9s (2.5s for the first ti me)
	Tracking measurement	0.4s (1.5s for the first time)
	Atmospheric correction	
	ppm input range	-499ppm~499ppm (step length 1ppm)
	target constant correction	-99ppm~99ppm (step length 1ppm)
	Measurement mode	Absolute code
	Sampling collection mode	2 signals for Horizontal, 1 signal for Vertical
	Minimum display	1''/5''/10''
Angle measurement	Standard deviation	2''
	Measurement time	0.1s
	Compensator	
	Sensor	Liquid biaxial compensation
	Range of compensation	±3'
	Spirit level	
	Circular level	8'/2mm
	Plate level	30''/2mm
	Aperture	45mm
	Magnification	28x
Telescope	Imaging mode	Positive image
	Field of view	1°30'
	Shortest focus distance	1.5m
Plummet	Type	Laser/ optics
	Internal data memory	SLC NADA Flash:512MB (256MB/1G SLC NADA Flash are optional)
	Memory card	SD card
Communication	Data interface	RS 232C & USB master and slave interfaces
	Keys	Numeric and letter keys
	Display screen	4.3 inch TFT single touch screen
Operating system		android 4.0.3 operating system
Measurement software		samsung S5PV210, based on cortex TM-A8, operational mainfrequency 1GHz
	Battery type	Lithium battery
Power supply performance	Duration Voltage/capacity	5hours for distance measurement and 20 hours for angle measur ement 4200mAh/DC 7.2V
	Operating temperature	-20℃~55℃
Working environment	Storage temperature	-20℃~60℃
	Dustproof & waterproof (IEC60529)	IP54
Dimension		190mmx210mmx350mm
Weight		6kg