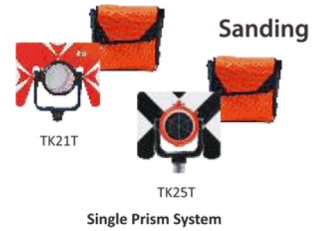


SPECIFICATIONS

		CTS-632 R10
Distance Measurement ①		Accuracy Standard:ISO17123-4
Range	Reflectorless	1000m ②
	Prism	5000m ③
Accuracy	Reflectorless	2+2ppm ④
	Prism	1.5+2ppm
	Sheet	2+2ppm
Measurement Time		0.5s In Fine 0.2s In Tracking ⑤
Atmospheric Correction		Manual Input, Auto Correction
Prism Constant		Manual Input, Auto Correction
Temperature Correction		Sensor Reading
Distance Reading		Max:99999999.999m Min:1mm
Angle Measurement		Accuracy Standard:ISO17123-3
Accuracy		2"
Method		Absolute, Continuous a Absolute reading
Disk Diameter		79mm
Detection Method		V: Dual, H: Dual
Angle Reading		Min: 1"
Telescope		
Image		Erect
Tube Length		152mm
Effective Aperture		45mm (EDM 47mm)
Magnification		30x
Field Of View		1°30"
Resolving Power		3"
Minimum Focus Distance		1.5m
Reticle Illumination		On / Off
Operation System		
Memory		2Gb / 100,000 points (exp. up to 32Gb)
Compensator		
System		Liquid, Dual Axis
Working Range		±6"
Accuracy		1"
Plummet		
Laser Plummet (Default)	Accuracy	±1.5mm @1.5m
	Laser Brightness	5 Levels Adjustable
	Wavelength	635nm
	Laser Class	Class 2
Optical Plummet (Optional)	Laser Power	0.5mW
	Image	Erect
	Magnification	3x
	Focusing Range	0.5m ~
	Field Of View	5"
Keyboard And Display		
Keyboard (Double)		Alphanumeric 30 Keys
Display (Double)		3.0 Inches, Color Touch TFT
Resolution		240*480 dpi
Position		Face 1, Face 2
Interface		
Data Interface		USB Flash Disk, Bluetooth
Battery		
Type		Lithium
Voltage		7.4V
Operating Time(Operating Period with Single Angle and Measurement every 30 seconds)		> 25h
Vial		
Plate Vial		30"/2mm
Circular Vial		8"/2mm
General		
IP		IP55
Temperature Range		-20°C ~ +50°C
Side Trigger		Default
Guide Light		Optional
Dimension		206*200*353mm
Weight		5.0kg

① EN60825-1: 2007, Class laser 2 ; Wave Length 650-690nm ② With Kodak gray card (reflective 90%). The reflectorless range and accuracy may vary depending on targets, measuring conditions. ③ Under good conditions: No haze, visibility about 40km. Overcast, no scintillation. ④ Range less than 1000m. When measure the target at 500-1000m the accuracy is 5+2ppm, interval less than 5s. ⑤ Typical interval, under good conditions. Range less than 500m. It also depending on the target surface. Maximum interval less than 10s.

ACCESSORIES



Standard package components

- Mainframe
- Rechargeable Battery 25 x2
- Battery Charger & Adapter
- Communication Cable 203
- SD Card
- Tools Kit
- Dryer
- Plummet
- Carrying Case
- Operation Manual
- Warranty Card
- QC Pass Certificate
- Rain Cover
- Belt for Case

Optional Accessories

- Solar Filter 20
- Diagonal Eyepiece DE-20

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dealer info

SANDING



CTS-632R10

Reflectorless Total Station













- Absolute Encoding Angle Measurement System
- Density Ball Bearing Axis, eliminating Axis Jam
- Up to 1,000 meters non-prism measurement range












Advanced Design With Superior Technology

Equipped with Compass

TECHNOLOGIES

 1000m Reflectorless	 Bluetooth	 Dual Compensation
 Co-axial Laser Beam	 Noise Phase Analysis	 USB Flash Memory
 150MHz Carrier Frequency	 Ultra Fast Measurement	 Laser Plummet
 IP55	 T/P Sensor	 Laser Pointing

PROGRAMS

 REM	 Resection	 Road Design
 Column Offset	 Plane Offset	 Distance Offset
 Area Cal.	 MLM	 P/L SO



Advanced Hardware, Top Performance

Cost-Effective choice for your surveying and engineering tasks, its long range EDM, density ball bearing axis system, high accuracy angle measurement module represent the highest level of manufacturing skill of China.



Convenient Data Transmission Software

CTS-632R10 supports USB flash Memory Storage and Bluetooth data transfer. Special data transmission and editing software can quickly transfer data and save time. You can design roads and export to CTS-632R10 for LAYOUT swiftly. Multiple data formats are supported.



Practical Survey Program

Various of surveying programs onboard allow surveyors to complete their tasks directly in the field: angle offset, angle repetition, dual-distance offset, coordinate measurement, REM, MLM, Staking out, area calculation, Road Design, etc.



Temp. & Pressure, Auto Setting

Temperature and pressure changes make a negative impact on the accuracy of distance measurements. The Smart T-P Sensor automatically monitors the changes and adjusts the distance calculations.