

## SPECIFICATIONS

<b>Distance Measurement</b>		
Range	Reflectorless	1000m
	Prism	5000m
Accuracy	Reflectorless	3mm+2ppm
	Prism	2mm+2ppm
	Sheet	3mm+2ppm
Measurement Time	1.3s In Fine 0.2s In Tracking	
Atmospheric Correction	Auto Correction	
Prism Constant	Manual Input, Auto Correction	
Temperature Correction	Sensor Reading	
Distance Reading	Max:99999999.999m Min:1mm	
<b>Angle Measurement</b>		
Accuracy	2"	
Method	Absolute, Continuous	
Disk Diameter	79mm	
Detection Method	V: Dual, H: Dual	
Angle Reading	Min: 1"	
<b>Telescope</b>		
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	10 Brightness Levels	
<b>Operation System</b>		
Memory	16000 Points	
<b>Compensator</b>		
System	Liquid, Dual Axis	
Working Range	± 6'	
Accuracy	1"	
<b>Plummet</b>		
Laser Plummet (Default)	Accuracy	± 1.5mm @1.5m
	Laser Brightness	5 Levels Adjustable
	Wavelength	635nm
	Laser Class	Class 2
Laser Power	0.5mW	
<b>Keyboard And Display</b>		
Keyboard	Alphanumeric 30 Keys	
Display	3.0 Inches, Color Touch TFT	
Resolution	240*400 dpi	
Position	Face 1, Face 2	
<b>Interface</b>		
Data Interface	USB Flash Disk, Bluetooth	
<b>Battery</b>		
Type	Lithium	
Voltage	7.4V	
Operating Time	8 hours	
<b>Vial</b>		
Plate Vial	30"/2mm	
Circular Vial	8'/2mm	
<b>General</b>		
IP Rate	IP55	
Temperature Range	-20°C ~ +50°C	
Dimension	206*200*353mm	
Weight	6.0kg	

## PACKAGE COMPONENTS



### Standard package components

- Total Station CTS-632R10m
- Rechargeable Battery LI-30 x2
- Battery Charger & Adapter
- Tools Kit
- Dryer
- Carrying Case
- Belt for Case
- User Manual (E-Copy)

### Optional Accessories

- Solar Filter
- Diagonal Eyepiece DFT-2RT

## OPTIONAL ACCESSORIES



Mini Prism System TPSmini112A

dealer info

**TEXCEL**  
BY TIANYU

## CTS-632R10m Reflectorless Total Station

- Absolute Encoding, 2" Accuracy
- Up to 1,000m Non-prism range
- Colorful touch screen
- USB memory stick and Bluetooth

**TEXCEL**  
BY TIANYU

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# Your Best Work mate Advanced Design With Superior Technology



## Advanced Hardware, Top Performance

CTS-632R10M set a new standard for high class total station. Its 1000 meter range EDM, density ball bearing axis system, high accuracy angle measurement module represent the highest level of manufacturing skill of China.



## Fully Functional Survey Programs

Angle, Distance, Coordinate Measurement and setout. Distance, Plane, Column offset, Missing Line, Remote Elevation, Reference Line, Resection, Point-to-Line measurement, Height Transfer.



## COGO (coordinated geometry)

Coordinate calculation, Angle Distance Calculation, Area & Perimeter, Point-to-line inverse calculation, Point Projection.

# 6 Useful Features that Improve Your Productivity!



Fast input via touch screen plus keyboard, less key button press, time saved



Trigger key, measure when you see



Smartly edit code library



Temperature-pressure auto read and set



Screen energy saving program, enlarge working time 10%

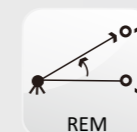


USB flash disk convenient for data transfer

## PROGRAMS



MLM



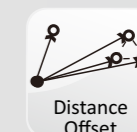
REM



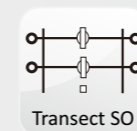
Resection



Road Design



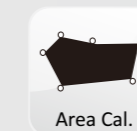
Distance Offset



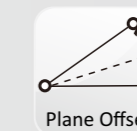
Transect SO



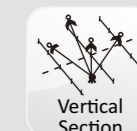
P/L SO



Area Cal.



Plane Offset



Vertical Section