SPECIFICATION

Distance Measurement		
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
Angle Measurement		
Accuracy		2"
Method		Absolute, Continuous
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		10 Brightness Levels
Operation System		
Memory		16000 Points
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
	Laser Power	0.5mW
Keyboard And Display		
Keyboard		Alphanumeric 30 Keys
Display		3.0 Inches, Color Touch TFT
Resolution		240*400 dpi
Position		Face 1, Face 2
Interface		
Data Interface		USB Flash Disk, Bluetooth
Battery		
Type		Lithium
Voltage		7.4V
Operating Time		8 hours
Vial		
Plate Vial		30"/2mm
Circular Vial		8'/2mm
General		
IP Rate		IP55
Temperature Range		−20°C ~ +50°C
Dimension		206*200*353mm
Weight		6.0kg
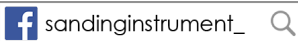
PACKAGE COMPONENTS

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

Optional Accessories
- Solar Filter
- Diagonal Eyepiece DFT-2RT

OPTIONAL ACCESSORIES

TK21T

TK25T

Single Prism Set

Dia.: 25.4mm
Offset: -17.5/-7.5mm

Mini Pole: 30cm×4, φ10mm

Mini Prism System TPSmini112A

Dealer Info

CTS-632R10m

Reflectorless Total Station

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

sandinginstrument_

CTS-632R10m
Reflectorless Total Station

6 Useful Features that Improve Your Productivity!

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.

Save Time with Auto Height
Get the instrument height by a simple button press when station setup.0.5m to 3m available within 1.5mm accuracy. No more mistakes from manual operation.

1.5m
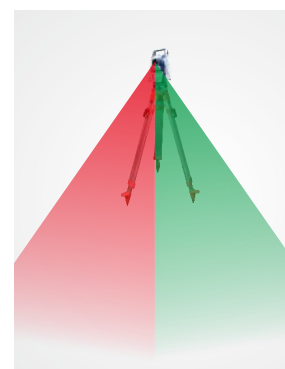
Guide Light
Staking out by Green/Red guidance. 120m visible distance can guarantee most of the project well done. No need walkie-talkie any more. This function is one of the only among Chinese manufacturers.

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

Trigger key, measure when you see

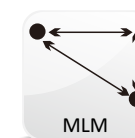Smartly edit code library

Temperature-pressure auto read and set

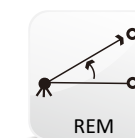Screen energy saving program, enlarge working time 10%

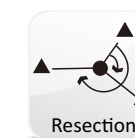USB flash disk convenient for data transfer

PROGRAMS

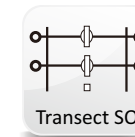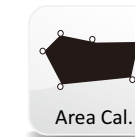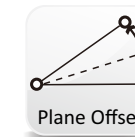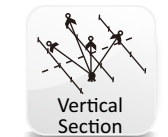|				
MLM	REM	Resection	Road Design	Distance Offset
Transect SO	P/L SO	Area Cal.	Plane Offset	Vertical Section