

CTS-632R10m Reflectorless Total Station

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

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%

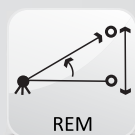


USB flash disk convenient for data transfer

PROGRAMS



MLM



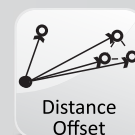
REM



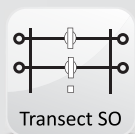
Resection



Road Design



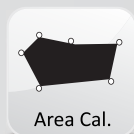
Distance Offset



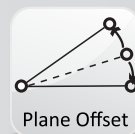
Transect SO



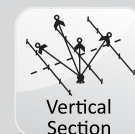
P/L SO



Area Cal.



Plane Offset



Vertical Section

SPECIFICATIONS

Distance Measurement		
Range	Reflectorless	1000m
	Prism	5000m
Accuracy	Reflectorless	3mm+2ppm
	Prism	2mm+2ppm
	Sheet	3mm+2ppm
Measurement Time		1s 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		24000 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 LCD Display
Resolution		240*400 dpi
Position		Face 1, Face 2
Trigger Key		For Quick Distance
Interface		
Data Interface		USB Flash Disk, 32 GB, Blue tooth
Format		CSV, TEXT, ASCII DXF
Battery		
Type		Lithium
Voltage		7.4V
Operating Time		18 hours angle mode, 8 hours distance mode
Vial		
Plate Vial		30"/2mm
Circular Vial		8'/2mm
General		
IP Rate		IP66
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



TK21T

TK25T

Single Prism Set



Dia.: 25.4mm

Offset: -17.5/-7.5mm

Mini Pole: 30cm × 4, φ 10mm

Mini Prism System TPSmini112A

dealer info