SPECIFICATIONS

Distance Measurement		
Range	Reflectorless	1000m
	Prism	5000m
Accuracy	Reflectorless	3+2ppm
	Prism	2+2ppm
	Sheet	3+2ppm
Measurement Time		1.2s in fine 0.2s in tracking
Atmospheric Correction		Auto input, Auto correction
Prism Constant		Manual input, Auto correction
Temperature Correction		Auto input, Auto correction
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		Not adjustable
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
Optical Plummet (Optional)	Image	Erect
	Magnification	3x
	Focusing Range	0.5m ~
	Field Of View	5"
Keyboard And Display		
Keyboard		Alphanumeric 28 Keys
Display		Black & White LCD
Resolution		160*96 dpi
Position		Face 1, Face 2
Data Storage & Communication		
Internal Memory		16000 points
External Memory		SD Card
Communication Port		RS-232, mini USB
Battery		
Type		Lithium
Voltage		7.4V
Operating Time		8 hours
Vial		
Plate Vial		30"/2mm
Circular Vial		8'/2mm
General		
IP Rate		IP54
Temperature Range		-20°C ~ +50°C
Dimension		206*200*353mm
Weight		6.0kg

PACKAGE COMPONENTS

Standard package components

- Total Station CTS-632R10
- Rechargeable Battery LI-30 x2
- Battery Charger & Adapter
- Communication Cable KE-203
- User Manual (E-Copy)
- Tools Kit • Dryer • Reflector Sheet
- Carrying Case • Belt for Case

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

GUANGDONG KOLIDA INSTRUMENT CO., LTD.

Add: 7/F, South Geo-information Industrial Park, No.39 Si Cheng Road, Tian He IBD, Guangzhou 510663, China
Tel: +86-20-22139033 Fax: +86-20-22139032
Email: export@kolidainstrument.com market@kolidainstrument. com http://www.kolidainstrument.com

X-METER
Challenging is Amazing

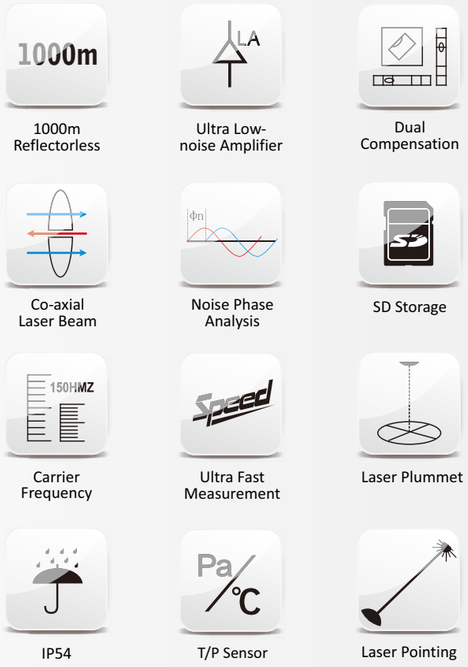
CTS-632R10

Reflectorless Total Station

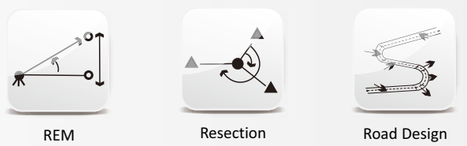
- **Absolute Encoding Angle Measurement System, accuracy 2"**
- **Up to 1000 meters non-prism measurement range**
- **Density Ball Bearing Axis, eliminating Axis Jam**
- **5 lines display screen, clear and visible under sunlight**
- **Atmosphere & Temperature sensor, auto correction**

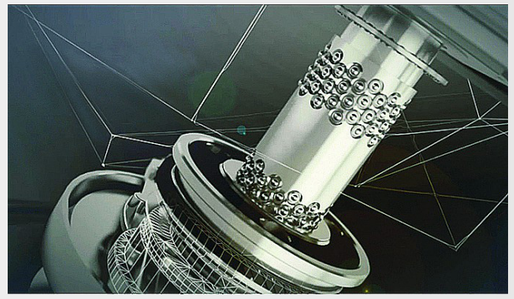
What Makes CTS-632R10 a Reliable and Productive Workmate?

TECHNOLOGIES



PROGRAMS





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.
Video:
500m Non-prism measurement in cloudy weather:
https://www.youtube.com/watch?v=D1bLO8n3mXQ

Convenient Data Transmission Software

CTS-632R10 supports Mini USB / Serial port cable connection.
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.
Video:
https://www.youtube.com/watch?v=o-R6wtF4p8k

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.
Video:
https://www.youtube.com/watch?v=3nr1SRstLXk

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.