

SPECIFICATIONS

| | | |
|-----------------------------|-------------------------------|---------------------|
| 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 & Adapter
- Tools Kit
- Dryer
- Carrying Case
- Belt for Case
- User Manual (E-Copy)

Optional Accessories

- Solar Filter
- Diagonal Eyepiece DFT-2RT

OPTIONAL ACCESSORIES



Single Prism Set



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



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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

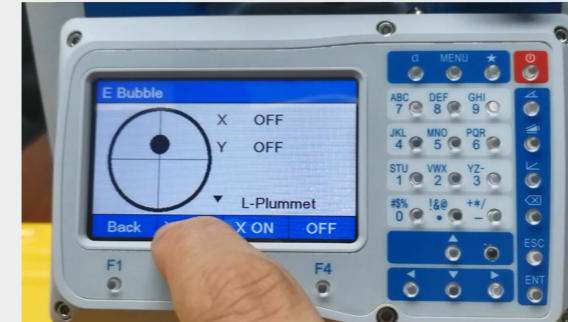
Angle, Distance, Coordinate Measurement and setout. Distance, Plane, Column offset, Missing Line, Remote Elevation, Reference Line, Resection, Point-to-Line measurement, Height Transfer.



COGO (coordinated geometry)

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

6 Useful Features that Improve Your Productivity!



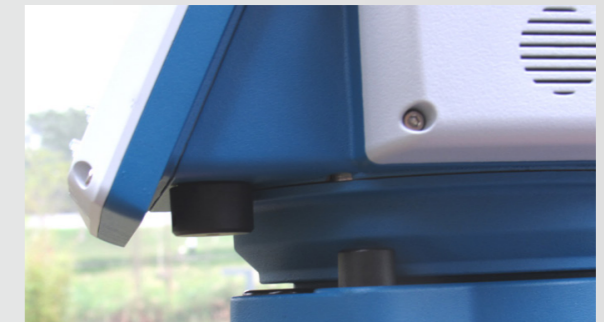
Fast input via touch screen plus keyboard, less key button press, time saved



Trigger key, measure when you see



Smartly edit code library



Temperature-pressure auto read and set



Screen energy saving program, enlarge working time 10%

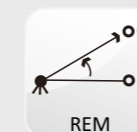


USB flash disk convenient for data transfer

PROGRAMS



MLM



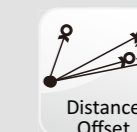
REM



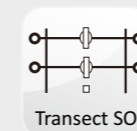
Resection



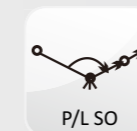
Road Design



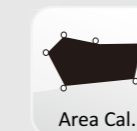
Distance Offset



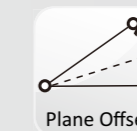
Transect SO



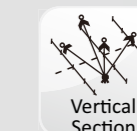
P/L SO



Area Cal.



Plane Offset



Vertical Section