

cloud

CTS-800

1000m Relectorless Total Station



SPECIFICATIONS

| CTS-800 | |
|-----------------------------------------|-------------------------------------------------------------------|
| Measuring Range | |
| 1P | 5.0km |
| 3P | 8-10 km |
| Non prism | 1000m |
| Digital Display | Maximum: 99999999.9999 Minimum: 0.1mm |
| Accuracy | With prism: 2mm+2ppm, without prism 3mm+2ppm With prism: 2mm+2ppm |
| Measuring Time | Tracking 0.1s, Fine 0.3s (optimal) |
| Atmospheric Correction | Automatic Correction by Inputting Parameter |
| Prism Constant | Automatic Correction by Inputting Parameter |
| Angle Measurement | |
| Measurement Method | Absolute Encoding |
| Diameter of The Raster Disk | 79mm |
| Minimum Reading | 1 " / 5 " Optional |
| Accuracy | 2 " |
| Detection Method | Horizontal: Four Vertical: Four |
| Telescope | |
| Image | Erect |
| Length | 154mm |
| Effective Aperture | 45mm (DTM 50mm) |
| Magnification | 30 X |
| Field of View | 1° 30' |
| Resolving Power | 3 " |
| Minimum Focus | 1m |
| Compensation | |
| System | Dual axis liquid-electric |
| Working Range | ±3' |
| Resolving Power | 1 " |
| Sensitivity of Vials | |
| Plate Vial | 30 " /2mm |
| Circular Vial | 8' /2mm |
| Laser Plummet | Yes |
| Data Storage & Communication | |
| Internal Memory | 4M /40000 points |
| External Memory | SD card (up to 32G) |
| Communication Port | Mini USB, RS-232 |
| Display | |
| Type | Dual sides, 6 lines, black & white |
| Battery | |
| Power Supply | Rechargeable battery (3100mAH) |
| Voltage | 7.4V DC |
| Operation Time | 10 hours |
| Dimension & Weight | |
| Dimension | 160mm×150mm×330mm |
| Weight | 5.7 kg |
| Environmental Specification | |
| Dust/Water (IEC60529) | IP56 |
| Working Temperature Range | -20°C~50°C |
| Humidity | 95%, non-condensing |



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