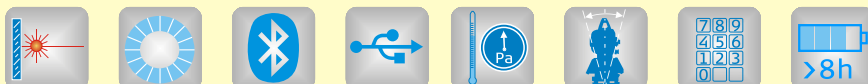




# RTS360 Series Windows CE Total Station



- Trigger key
- Compact design with Windows CE 5.0 operating system
- Endless drives, collimate target faster with two hands operation
- Smart battery managing system, display battery life in real-time
- Professional onboard software: FOIF FieldGenius, Carlson SurvCE or FOIF Survey
- Illuminated keyboard with light sensor, turn on in dark surroundings automatically
- Long reflectorless measuring distance reaches to 500m(R500) or 1000m(R1000)
- 3.5" colour TFT LCD (320 x 240 dots) touch screen, transfective sunlight readable display
- 500m-1000m long range Bluetooth<sup>®</sup> cable-free connection offers solution of semi-automatic data collection(optional)



RTS360 can connect to data collector through long distance Bluetooth

# RTS360 Series Windows CE Total Station

## Technical data

|  |       | RTS362                               | RTS365 |   |  | RTS362                                    | RTS365 |
|--|-------|--------------------------------------|--------|---|--|---|--------|
| Telescope  |       |                                      |        | Level vial sensitivity  |  |   |        |
| Length/Image                                     |       | 156mm/Erect                          |        | Plate level vial  |  | 30″ /2mm                                  |        |
| Objective aperture                               |       | φ 45mm                               |        | Circular level vial   |  | 8′ /2mm                                   |        |
| Magnification                                    |       | 30x                                  |        | Compensator   |  | Dual-axis compensator                     |        |
| Field of view                                    |       | 1° 30′                               |        | Working range   |  | 3′  |        |
| Shortest focus distance                          |       | 1.0m                                 |        | Setting accuracy  |  | 1″  |        |
| Angle measurement                                |       |                                      |        | Laser plummet(Standard) <sup>*4</sup>   |  |   |        |
| Reading system                                   |       | Absolute encoder                     |        | Accuracy  |  | ±1mm/1.5m                                 |        |
| Angle unit                                       |       | 360/400gon/6400mil, selectable       |        | Laser class   |  | Class 2/IEC60825-1                        |        |
| Display resolution                               |       | 0.5″ /1″ /5″ (0.1mgon/0.2mgon/1mgon) |        | Laser brightness  |  | Adjustable                                |        |
| Accuracy <sup>*1</sup>                           |       | 2″                                   |        | Laser wave length   |  | 635nm                                     |        |
| Distance measurement(R500)                       |       |                                      |        | Endless drive   |  | H&V                                       |        |
| Display resolution(m/inch selectable)            |       | 0.1mm/1mm                            |        | Display   |  |   |        |
| Laser class                                      | Prism | Class 1                              |        | 3.5" colour TFT LCD(320x240 dots) touch screen  |  |   |        |
| Reflectorless/Reflective sheet                   |       | Class 3R                             |        | Transflective sunlight readable display   |  |   |        |
| Measurement range (Good condition) <sup>*2</sup> |       |                                      |        | Power   |  |   |        |
| Reflectorless <sup>*3</sup>                      |       | 1 to 500m                            |        | Battery   |  | 3400mAh Li-ion Rechargeable               |        |
| Reflective sheet/RP60                            |       | 1 to 800m                            |        | Output voltage  |  | 7.4V DC                                   |        |
| Single prism                                     |       | 1 to 3000m                           |        | Continuous operation time   |  | 8 hours                                   |        |
| Accuracy   |       |                                      |        | (Single distance measurement every 30 seconds)  |  |   |        |
| Prism  |       | 2mm+2ppm                             |        | Charger   |  | FDJ6-LI(100V /240V )                      |        |
| Reflective sheet/RP60                            |       | 3mm+2ppm                             |        | Charging time(at +20℃)  |  | Approx. 4 hours                           |        |
| Reflectorless                                    |       | 1-200m:3mm+2ppm/≥200m:5mm+3ppm       |        | Application programs  |  |   |        |
| Measuring time                                   |       | Initial:2s                           |        | Data collection/Stake out/Resection/REM/MLM/Point to line   |  |   |        |
| Prism (Standard mode)                            |       | 3s                                   |        | AREA/Z coordinate/OFFset/3D Road/Traverse adjustment  |  |   |        |
| Reflective sheet/RP60 (Standard mode)            |       | 3s                                   |        | Tape measurement/Section/Axis positioning measurement   |  |   |        |
| Reflectorless (Standard mode)                    |       | 3s                                   |        | Others  |  |   |        |
| Distance measurement(R1000)                      |       |                                      |        | CPU   |  | ARM9 Core                                 |        |
| Laser class                                      |       |                                      |        | Memory  |  | 4G internal memory                        |        |
| Prism standard mode/Prism long mode              |       | Class1/Class 2                       |        | Sensors   |  | Built-in temperature and pressure sensors |        |
| Reflective sheet                                 |       | Class 2                              |        | Keyboard  |  | Alphanumerical key board, both sides      |        |
| Reflectorless standard mode                      |       | Class 2                              |        | Weight(including batteries)   |  | 6.0kg                                     |        |
| Reflectorless long mode                          |       | Class 3R                             |        | Interface   |  | USB/RS-232C/Bluetooth(Optional)           |        |
| Measurement range (Good condition) <sup>*2</sup> |       |                                      |        | Water and dust protection   |  | IP54(IEC60529)                            |        |
| Standard mode/Prism                              |       | 1 to 3500m                           |        | <div><div>■ Related products</div><div></div><div>RTS330/RTS330S    RTS350    RTS100/RTS100R    DT400/LP400</div></div> |  |   |        |
| Long mode /Prism                                 |       | 1 to 6000m                           |        |   |  |   |        |
| Reflective sheet/RP60                            |       | 1 to 1200m                           |        |   |  |   |        |
| Reflectorless <sup>*3</sup>                      |       | 1 to 1000m                           |        |   |  |   |        |
| Accuracy/typital measuring time(max.20s)         |       |                                      |        |   |  |   |        |
| Prism standard mode                              |       | 1mm+1.5ppm/1.0s~5.0s                 |        |   |  |   |        |
| Prism long mode                                  |       | 2mm+2.5ppm/0.7s~6s                   |        |   |  |   |        |
| Reflective sheet/RP60                            |       | 2mm+2ppm/1s~5s                       |        |   |  |   |        |
| Reflectorless                                    |       | 1-500m: 2mm+2ppm/0.7s~6s             |        |   |  |   |        |
|  |       | >500m: 4mm+2ppm/3s~12s               |        |   |  |   |        |

\*1 Standard deviation based on ISO17123-3

\*2 Good conditions: no haze, visibility about 40km, no heat shimmer, breeze

\*3 Reflector: White side of Kodak Gray Card with 90% reflective

\*4 Laser plummet mounted on the bottom of the vertical axis

Illustrations, descriptions and technical specifications are not binding and may change

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