

RTS390 Total Station



- 01** Large color screen with touch interaction
- 02** 28 keys with backlight function
- 03** Automatic correction for temperature and air pressure
- 04** Integrated compensation, fast and accurate
- 05** USB flash drive, Type-C, Bluetooth

Specification

Telescope

Imaging : Erect
Magnification : 30 $\times$
Field of view : 1°30'
Shortest focusing distance : 1.0m
Effective aperture : 45mm
Resolution : 4"

Angle Measure

Accuracy : 1"/2"
Method : Absolute encoder
Detection mode : diametral 2/4 channel
linear array CMOS

Distance Measure

Range : prism : 5000m
reflectless : 1000m
reflective sheet : 1000m
Accuracy : 2mm+2 $\times 10^{-6}$ ·D(Prism)
Time : Fine mode : 0.5s
Fast mode : 0.3s
Track mode : 0.25s
Min. reading : 1mm/0.1mm optional
1"/0.1" optional

Power

Battery : lithium-ion battery,7.4V/2500mAh
Working time : 8 hours

Compensator

Type : integrated dual-axis compensator
Compensation range : $\pm 6'$

Data storage

Memory : 30000 points(Onboard flash)
Extensibility : USB-HOST(TYPE-A HOST)
Data transfer : RS232/USB-OTG(TYPE-C SLAVE)

Laser plummet

Type : laser plummet
Accuracy : $\pm 1.0\text{mm}/1.5\text{m}$
Spot diameter : 2.5mm/1.5m
Brightness : adjustable

Other

Keyboard display : double-faced
Display screen : 6-line character,3.5-inch
colour screen with resistive touch support
Keys: switchable input of numbers/letters
/symbols, button backlight
Temperature and air pressure: Automatic
temperature and pressure correction
External power supply : DC7.5V-DC12V
Weight : 6.0kg(battery included)
Working temperature : -20°C~+50°C
Waterproof and dustproof grade : IP55

Note: Illustrations, descriptions and technical specifications are not binding and may change.



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