TS-C200 Total Station

35CM

20CM

Size: 20cm×19cm×35cm
Weight: 6.0 kg

Features

Advanced ranging system, 1500m non-prism range

New circuit system and ultra-low noise broadband amplifier

Noise phase analysis algorithm, stronger resistance

Temperature and atmospheric automatic correction system(manual Input, auto correction)

Easy-to-use onboard system

Rugged waterproof and dustproof IP65 design

2.7-inch 320*240 dot matrix true color display, sunlight readable

TS-C200
Total Station

High Precision And Long Range

The TS-C200 incorporating a number of innovative structures and technical improvements to achieve a 1500m non-prism range with 3mm+2ppm accuracy. Built in new ranging circuit system, the TS-C200 adopts an ultra-low noise broadband amplifier with independent intellectual property rights. The mechanical structure features an integrated CCD and a double-bead shaft for the horizontal and vertical axes, which benefits the angular accuracy up to 2''.

Excellent Capability

Featuring advanced noise phase analysis algorithm, the TS-C200 greatly reduces the interference of various noises on the phase measurement results under bad weather and weak signal conditions. The optical path design fully isolates the transmitted and received optical signals, further ensured high accuracy. The road measurement program can calculate horizontal and vertical road curves of any line type, and allows discontinuous change in radius of horizontal curve.

Diversified Interaction

TS-C200 can transmit data bidirectionally with PC through bluetooth, and be controlled through field software such as Field Genius. TS-C200 comes with a U disk interface, which can import and export data from the U disk. SD card is optional to expand the memory to store more measurement data.

User-friendly Interface For Easy-Operation

Clear interface supports EXCEL and DAT file import/export; It displays 19-bit code, which makes the road stakeout point information clear at a glance; The users can add known point files, and invoke the coordinates of the known point for all the projects. Loaded with a variety of programs to meet a variety of needs

SinoGNSS®
By ComNav Technology Ltd.

TS-C200 Total Station

Distance Measurement

Range	5000m(Prism) 1500m(Non-Prism)
Accuracy	2mm+2ppm(Prism) 3mm+2ppm(Non-Prism)
Measuring Time	Precise < 0.3s, Tracking <0.1s
Laser	Class 3R laser

Angular Measurement

Reading System	Absolute Encoding
Circle Diameter	79mm
Minimum Increment	0.1″/1″/5″/10″optional
Accuracy	2″
Detection Method	Horizonal: Dual; Vertical: Dual

Telescope

Image	Erect
Tube Length	154mm
Effective Aperture	45mm
Magnification	30X
Field of View	1°30′
Resolving Power	3″
Minimum Focus Distance	1.2m

Standard Packing List

Carry Case	1x
Main Unit	1x
Battery LB-01	2x
Battery Charger	1x
SD Card	1x
USB Cable	1x
Plumb Plummet	1x
Pouch	1x
Wrench	2x
Screwdriver	1x
Adjusting Pin	2x
DessicantBags	1x
Lens Cover	1x
Brush	1x
Reflective Sheet	1x
Warranty Card	1x
QC	1x
Manual	1X(Paper or electronic version)

Display

Screen Type	320*240 Dot matrix high-definition high-brightness display
Keyboard	Alphanumeric
Digital Display	Mixmum：99999999.9999 Minimum：0.1mm （4 decimal places optional）

Battery

Type	Li-battery，3100mAH
Voltage	7.4V DC
Battery Life	8h

Physical

Size	20cm×19cm×35cm
Weight	6.0 kg
Water and dust protection	IP65

Laser Plummet

Laser Brightness Level	3 levels adjustable
Circular Vial	8′/2mm

Communications

USB	USB port
Bluetooth	Y
SD Card	Y

System

Tilt sensor	Dual Axis Liquid-Electric (working range: 4′/6′ optional, accuracy: 1″)
Atmosphere Correction	Manual Input, Auto Correction
Prism Constant	Manual Input, Auto Correction

Level Vials

Plate Vial	30″/2mm
Circular Vial	8′/2mm

OPTIONAL ACCESSORIES

Wooden Tripod
Prism Pole

Specifications subject to change without notice.

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