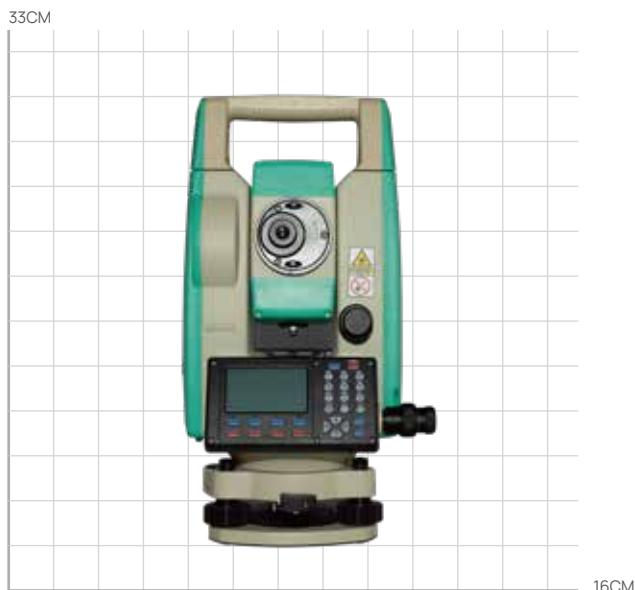




Size: 16cm×15cm×33cm

Weight: 5.7 kg

Features

Supplied with two rechargeable batteries for flexible all-day field work.

2.7-inch 320*240 dot matrix black & white display, sunlight readable

Rugged waterproof and dustproof IP66 design

Easy-to-use onboard system

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

TS-C300

Total Station

Ultra-Fast & Precise EDM Performance

The TS-C300 adopts an optimized EDM system for faster ranging. Short-distance readings under both prism and non-prism mode finish within only 0.3 seconds. For targets over 500 meters, its ranging efficiency is improved by more than 50% versus older generation models under identical field environments. It supports a maximum 1000 m non-prism measuring range and 5000 m single prism range, with industry-leading ranging accuracy of $\pm(2 + 2\text{ppm})$ for prism work and $\pm(3 + 2\text{ppm})$ for non-prism work, fully satisfying professional survey and construction demands.

Stable High-Accuracy Angle Measurement

Equipped with advanced international dual-axis automatic compensation technology, the TS-C300 actively identifies and offsets angular deviation errors to maximize survey precision. A graphical electronic bubble visually displays leveling status for straightforward setup.

Practical Survey Applications

A range of built-in survey applications enable surveyors to carry out field work directly on site, including REM, Offset, MLM, Staking-out, Road Design, Point Projection and Setout line.

Practical Field-Optimized Station Functionality

Boasting exclusive one-time station orientation technology, the TS-C300 retains your completed station setup after unexpected shutdowns, power loss or battery swaps. No repeated orientation is needed after restarting, allowing you to resume measuring work instantly and greatly boosting field work efficiency.

TS-C300 Total Station

TS-C Series Total Station Ver.2026.07.23

Measuring Range

1P	5.0km
3P	8-10 km
Non prism	1000m (1500m optional)
Accuracy	With prism: 2mm+2ppm, without prism 3mm+2ppm
Measuring Time	Tracking 0.1s, Fine 0.3s (optimal)
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 Sensors Vertical: Four Sensors

Data Storage and Communication

Internal Memory	12MB (up to 100,000 points)
External Memory	USB Flash Disk (up to 256 GB)
Communication Port	USB, Bluetooth

Display

Type	Dual sides, 6 lines, black and white
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Standard Packing List

C300 hosts	1
Battery	2
Battery Charger	1
Rain cover	1
Desiccant	1
Reflector	1
C300 Instrument Box	1
Wiping cloth	1
Toolkit	1
Soft bristle brush	1
Manual(electronic manual)	1

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

Battery

Power Supply	Rechargeable battery (3100mAh)
Voltage	7.4V DC
Operation Time	20 hours by two batteries

Dimension and Weight

Dimension	160mm×150mm×330mm
Weight	5.7 kg

Environmental Specification

Dust/Water	IP66
Working Temperature Range	-30 °C ~50 °C
Humidity	95%, non-condensing

OPTIONAL ACCESSORIES

Tripod
Prism
Pole



Specifications subject to change without notice.