



# TOTAL STATION

RCS-1X COLOUR TOUCH SCREEN



## TELESCOPIC

Length	154mm
Diameter	Telescopic: 45mm; EMD: 50mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Minimum Focus	1m

## DISTANCE

Single Prism Range	5,000m
Accuracy	±(2mm+2mm*D)m.s.e
Non-prism Range	1,500m
Accuracy	±(3mm+2mm*D)m.s.e
Measuring Time	Fine: 0.3s; Normal: 0.2s
Meteorologic Correction	ATMOSense Auto Correction
Prism Constant	Manual

## ANGLE

Accuracy	1"/2"
Method	Absolute Encoding
Detecting System	H: dual; V: dual
Minimum Reading	0.1"/1"/5"/10"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

## DISPLAY

Display Unit	Graphic, 640*320 color touch LCD
No. of Displays	2
Keyboard	Alphanumeric

## PLUMMET

Type	<b>UltraPlumb:</b> Laser plummet with distancing function to measure instrument height.
Measuring Range	0.6-2.0m
Minimum Reading	1mm
Distance Accuracy	±2mm
Deviation	0.2mm @ 1.5m height
Spot Diameter	1.5mm @1.5m height

## TILT CORRECTION

Tilt Sensor	Quadruple Axis Compensator
Method	Liquid electric
Range	6'
Resolution	1"

## LEVEL

Plate Level	30"/2mm
Circular Level	8'/2mm

## DATA INTERFACE

Internal Memory	1,20,000 points
Data Interface	USB2.0
Wireless *	Bluetooth 2.1

## GENERAL




Guide Light	Yes
Quick-meas Button	Yes
Weight	5.4kg
Dimension	353 (H) * 206 (L): 200 (W) mm
Operating Temperature	-20°C to 50°C
Battery	Li-on battery, 7.4V, 34500mAh
Water & Dust Proof	IP66
Working Duration	18h



## ITEM LIST

- Carrying case \*1
- Total station \*1
- Battery \*2
- Charger & adapter \*1
- Reflecting sheet \*1
- Safety Vest \*1
- Quick Guide \*1
- Warranty Card \*1

\* Not available on RCS Lite.



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