

TOTAL STATION

ris
SERIES



TELESCOPIC

Length	154mm
Diameter	Telescopic: 45mm; EMD: 50mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Minimum Focus	1.5m

DISTANCE

Single Prism Range	5,000m
Accuracy	±(2mm+2mm*D)m.s.e ±(1mm+1mm*D)m.s.e ONE
Non-prism Range	1,000m
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	2" 1" ONE
Method	Absolute Encoding
Detecting System	H: dual; V: dual
Minimum Reading	1"/5"/10"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

DISPLAY

Display Unit	3.7" color and touch screen
No. of Displays	2
Keyboard	Alphanumeric

PLUMMET

Type	Ultra Plumb: Laser plummet with distancing function to measure instrument height.
Working Range	0.6-2.0m
Minimum Reading	1mm
Distance Accuracy	±3mm
Deviation	0.4mm @ 1.5m height
Spot Diameter	1.5mm @ 1.5m height

TILT CORRECTION

Tilt Sensor	Dual axis
Method	Liquid electric
Range	6'
Resolution	1"

LEVEL

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

DATA INTERFACE

Internal Memory	160,000 points
Data Interface	USB2.0, Mini-USB, SD card, RS232
Wireless	Bluetooth 2.1

GENERAL

Guide Light	Yes
Camera	0.8mpx *
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, 3900mAh
Water & Dust Proof	IP65
Working Duration	12h

ITEM LIST

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

ONE Only on RIS ONE.
* Optional on RIS ONE.



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