

RUIDE

TOTAL STATION



ris
SERIES

SPECIFICATION

RIS ONE

TELESCOPIC

Length	154mm
Diameter	Telescope: 45mm; EDM: 50mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Mini.Focus	1.5m

DISTANCE

Single Prism Range	5000m
Accuracy	±(2mm+2ppm*D) m.s.e
Non-Prism Range	1000m
Accuracy	±(3mm+2ppm*D) m.s.e Fine:
Measuring Time	0.3s; Normal: 0.2s
Meteorologic Correction	ATMOSense Auto Correction
Prism Constant	Manual

ANGLE

Accuracy - RIS	2"
- RIS ONE	1"
Method	Absolute Encoding
Detection System	H: Dual; V: Dual
Mini. Reading	1°/5"/10"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal:
Unit	0°360°/400gon/6400mil

DISPLAY

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

UltraPlumb

*optional

Working Range	0.6-2.0m
Minimum Reading	1mm
Accuracy	±3mm

TILT CORRECTION

Tilt Sensor	Dual Axis
Method	Liquid Electric
Range	4'
Resolution	1"

LEVEL

Plate Level	30°/2mm
Circular Level	8°/2mm

DATA INTERFACE

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

GENERAL

Camera	0.8mpx
Ligtning Measure	Yes
Weight	5.4kg
Dimension Working	353 (H) * 206 (L) * 200 (W) mm
Temperature Battery	-20°C to 50°C
Type Water & Dust	Rechargeable Li-on Battery, 7.4V, 3000mAh
Proof Working	IP65
Duration	12 hours



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