

**RUIDE**

# TOTAL STATION



**RIS**  
SERIES

# SPECIFICATION

## RIS 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
Measuring Time	Fine: 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
Lightning Measure	Yes
Weight	5.4kg
Dimension	353 (H) * 206 (L) * 200 (W) mm
Working Temperature	-20°C to 50°C
Battery Type	Rechargeable Li-on Battery, 7.4V, 3000mAh
Water & Dust Proof	IP65
Working Duration	12 hours



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