

RUIDE

TOTAL STATION R∞S



Infinite possibilities.

SPECIFICATION

SYSTEM

OS	Android 6.0
Processor	MT6753, 1.5GHz, 8 cores
Internal Memory	RAM 3GB, ROM 32GB

TELESCOPIC

Length	154mm
Diameter	Telescope: 45mm; EDM: 50mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Mini.Focus	1.2m
Reticle	Illuminable, 4 grades

DISTANCE

Single Prism Range	5000m
Accuracy	±(2mm+2ppm*D) m.s.e
Non-Prism Range	1500m
Accuracy	±(3mm+2ppm*D) m.s.e
Measuring Time	Fine: 0.3s; Normal: 0.2s
Meteorologic Correction	Manual
Prism Constant	Manual

ANGLE

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

DISPLAY

Display Unit	TFT LCD screen, Graphics, 720*1280
No. of Displays	2
Keyboard	Numeric

LASER PLUMMET (default)

Type	Laser pointer, 4 brightness grades
Accuracy	±1.5mm at 1.5m height
Wavelength	630-670nm
Laser Class	Class 2/IEC60825-1
Laser Power	<0.4mW

OPTICAL PLUMMET (optional)

Image	Erect
Magnification	3x
Focusing Range	0.5m
Field of View	5°
Accuracy	±1.5mm at 1.5m height

COMPENSATOR

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

LEVEL

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

COMMUNICATIONS

I/O interfaces	Serial port (6-pin) Micro SIM USB Type-C (OTG) TF card
Network	2G: 900/1800 3G: 2100/900 CDMA BC0 TDSCDMA A/F 4G LTE band 1/3/7/38/39/40/41
Bluetooth	Bluetooth 4.0
WLAN	Dual-band single stream 802.11/a/b/g/n
Microphone/speaker	Available

PHYSICAL

Battery	Lithium-Ion 7.4V, 3100mAh 8h
Dimension	200*170*350 (mm) 5.7kgs
Environment	-20°C to 50°C IP55



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