

TOTAL STATION

RTS-101R10



WinCE 7.0 Operating Systems

Guide Light (EGL)
Auto Height (inbuilt)

(a complete range of Civil Surveying Products...)

ASI
ROBUST[®]
Surveying Instruments

SPECIFICATIONS



SYSTEM

OS	WinCE 7.0
Processor	MT6762, 1.5GHz, 8 cores
Internal Memory	RAM 4GB, ROM 64GB

TELESCOPIC

Length	154mm
Diameter	Telescopic: 45mm; EMD: 50mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Minimum Focus	1.2m
Recticle	Illuminable 10 grades

DISTANCE

Single Prism Range	6,000m
Accuracy	$\pm(1\text{mm}+1.5\text{mm}*D)\text{m.s.e}$
Non-prism Range	1,000m
Accuracy	$\pm(3\text{mm}+2\text{mm}*D)\text{m.s.e}$
Measuring Time	Fine: 0.2s; Normal: 0.1s
PPM Correction	Manual
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	TFT LCD, 720*1280
No. of Displays	2
Keyboard	Numeric

PLUMMET

Type	Laser
Deviation	1.5mm @ 1.5m height
Wavelength	630-670nm
Laser Class	Class II / IEC60825-1
Laser Power	<0.4mW

COMPENSATOR

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

LEVEL

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

COMMUNICATION

I/O Interfaces	Micro SIM USB Type-C (OTG) TF Card
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Bluetooth	Bluetooth 4.0
WLAN	Dual-band 8.2.11/a/b/g/n
Microphone/Speaker	Yes

GENERAL

Quick-meas Button	Yes
Weight	5.7kg
Dimension	350 (H) * 200 (L): 710 (W) mm
Operating Temperature	-20°C to 60°C
Battery	Li-ion battery, 7.4V, 3800mAh
Water & Dust Proof	IP66
Working Duration	18h in NEZ & 28h in Angle Mode

ITEM LIST

Carrying case *1	Tool kit *1
Total station *1	Reflecting sheet *1
Battery *2	Plumb *1
MicroSD card *1	Rain cover *1
Type-C to USB OTG cable *1	Safety Vest *1
Type-C data cable *1	Quick Guide *1
Charger & adapter *1	Warranty Card *1



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