#### **SPECIFICATIONS**

	TS-R1X
Measuring Range	
1P	5.0km
3P	8-10 km
Non prism	1000m
Digital Display	Maximum: 99999999.9999 Minimum: 0.1mm
Accuracy	With prism: 2mm+2ppm, without prism 3mm+2ppm
Measuring Time	Tracking 0.1s, Fine 0.3s (optimal)
Atmospheric Correction	Automatic Correction by Inputting Parameter
Prism Constant	Automatic Correction by Inputting Parameter
Angle Measurement	, 1 3
Measurement Method	Absolute Encoding
Diameter of The Raster Disk	79mm
Minimum Reading	1 " / 5 " Optional
Accuracy	2 "
Detection Method	Horizontal: Four Sensors Vertical: Four Sensors
Telescope	
Image	Erect
Length	154mm
Effective Aperture	45mm (DTM 50mm)
Magnification	30 X
Field of View	1° 30′
Resolving Power	3 "
Minimum Focus	1m
Compensation	<del>-</del>
System	Dual axis liquid-electric
Working Range	±3'
Resolving Power	1"
Sensitivity of Vials	-
Plate Vial	30 " /2mm
Circular Vial	8' /2mm
Laser Plummet	Yes
Data Storage and Communication	
Internal Memory	4M /40000 points
External Memory	SD card (up to 32G)
Communication Port	RS-232, mini USB
Display	NS ESE, Milli OSS
Type	Dual sides, 6 lines, black and white
Battery	
Power Supply	Rechargeable battery (3100mAH)
Voltage	7.4V DC
Operation Time	10 hours
Dimension and Weight	
Dimension	160mm×150mm×330mm
Weight	5.7 kg
Environmental Specification	
Dust/Water (IEC60529)	IP66
Working Temperature Range	-20°C~50°C
Humidity	95%, non-condensing
1	75 /of from contactioning

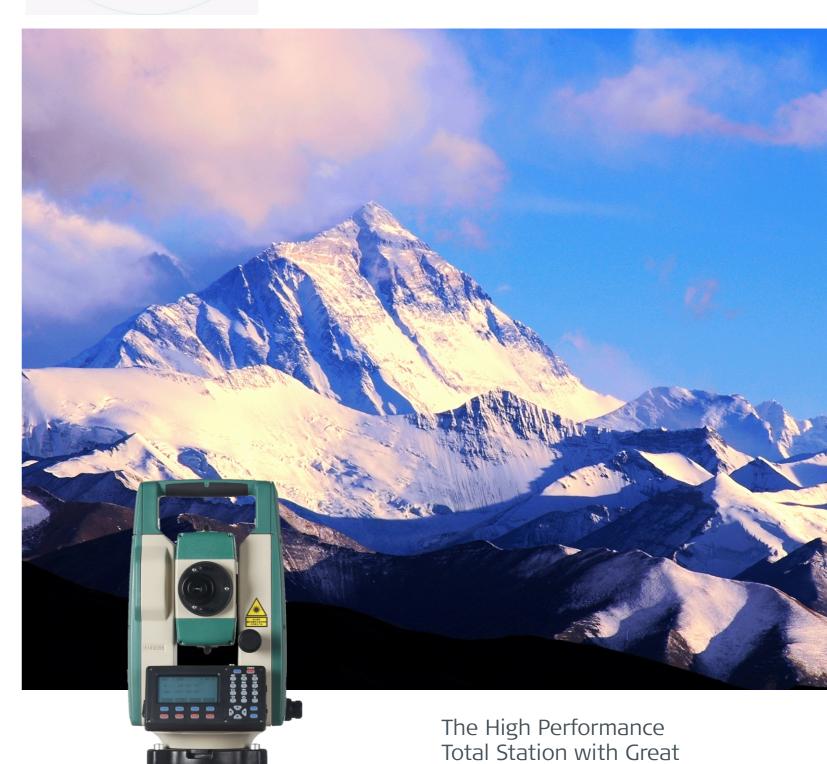






# TS-R1X

Reliability, Flexibility and Economy





Challenging Never Stops.

# Seven Major Improvements

To lift your capability and productivity

## **TECHNOLOGIES**



1000m Reflectorless

Ultra Low-noise Amplifier





Ultra Fast

Co-axial Laser Beam







Noise Phase Analysis

Carrier Frequency







SD Card Storage



Bluetooth





**Dual Axis** 

## **PROGRAMS**







Road Design













Plane Offset



Video and Article:

