

TOTAL STATION REFLECTORLESS

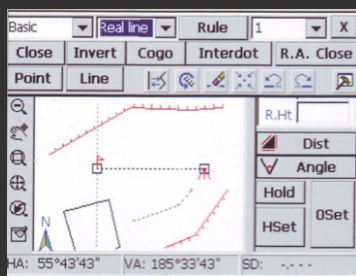


**Cutting edge technology
packed windows based
reflectorless electronic
total station**



Technological Features

- **Absolute Encoding** - The 882R is equipped with absolute encoders, which provide high accuracy and reliability. No need to reset the system for 0 indexing eliminating manual initialization.
- **Dual Axis Compensation** - Vertical and horizontal angles are compensated by dual axis compensator that detects tilt in both directions, ensuring enhanced reliability.
- **Control Panel** - Backlit 6 lines LCD Display & Alphanumeric keyboard with single touch button functions for easy input, access to information and control of main parameters such as EDM mode including reflectorless or prism.
- **Long Battery Life** - The 882R Total Station is provided with 2 x Rechargeable Ni-H Batteries to ensure that the unit can be used continuously at work site without having to stop & recharge.
- **Large Internal Memory** - Storage capacity of up to 16000 data points. In addition, data can be sorted into different jobsite files in the extended memory with use of the USB memory card.
- **Water & Dust Proof** - All significant part are protected by tight rubber rings. With Waterproof Grade IP54, you are free to operate the unit in a desert or rain.
- **Temperature & Pressure Sensors** - Takes surrounding temperature and pressure measurement automatically to implement auto compensation for high accuracy.



Mapping Genius provides a real-time imaging capability during measurement



USB Memory Stick



Touch Screen

Item Code : ST-RTS882R

Product Supply Includes : Wooden/Fiber Glass Tripod, Target plate, Prism, Pole & Holder, Data downloading cable & software, Batteries - 2 nos, Battery Charger & Carrying Case.

Specification

2" TOTAL STATION

Telescope	
Image	Erect
Length	152mm
Effective Aperture	Telescope: 45mm (Distance Meter :47mm)
Magnification	30X
Field of View	1° 30'
Resolving Power	3"
Min. Focusing Distance	1.3m
Measuring Range	
Single Prism	5.0km
Reflectorless	300m
Triple Prism	7.0km
Distance Measurement Accuracy	With Prism: +/- (2mm+2ppm x D) Reflectorless: +/- (3mm+2ppm x D)
Digital Display	Max: 99999999.999 Min: 0.1mm
Measuring Time	Fine: 2s Quick measure:1.2s Tracking:0.6s
Atmospheric Correction	Auto Correction
Angle Measurement	
Measurement Method	Absolute encoding
Diameter of the Raster Disk	79mm
Minimum Readout	1"
Accuracy	2"
Detection Method	Horizontal: Dual Vertical: Dual
Auto Vertical Compensator	
System	Dual axis liquid-electric sensor compensation
Range	+/-3'
Accuracy	1"
Optical Plummet	
Image	Erect
Magnification	3X
Focusing Range	0.5m~∞
Field of View	5°
Data Storage	
U-disk	Supportable
SD Memory Card	RS-232C(6pin) USB Mini-B and Type A
Other	
Display Type	3.5inches 320x240 LCD TFT
Power Supply	6V Rechargeable Ni-H battery
Voltage	7.2VDC
Operating Time	8 hours
Size	200 x 350 x 180mm
Weight	6.0 kgs