RTS-880R Total Station

Large display, Windows®CE.Net™ installed

RTS-880R Series Total Station

Using Windows CE.NET 4.2 Operating system, 3.5 inches extremely large LCD display of 240x320dpi, shows a large amount of information at a time, makes the measuring operation easy and clear. You can intuitionally launch data storing, manipulating and exchanging with PC based on Windows platform.

Reflectorless Distance Range: **300m**

Technological Superiority

Convenient Data Communication

Upload/download data via USB memory stick
USB cable transfer

Colorful Touch Screen

Easy to use by direct touch, you even don't need
to press the keyboard.

Specifications

		RTS-882R	RTS-885R
Distance Measurement			
Max. Range	Reflectorless	300m	300m
	1 Prism	5.0km	5.0km
	3 Prism	6.0km	6.0km
	Mini Prism	800m	800m
Accuracy		Reflectorless 5+3ppm Reflector 2+2ppm	
Reading		Maximum：99999999.9999 m； Minimum: 0.1mm	
Measuring Time		Fine:2s Quick measure:1.2s Tracking:0.6s	
Atmospheric Correction		Auto Correction	
Prism Constant		Auto Correction	
Angle Measurement			
Measurement Method		Absolute Encoding	
Diameter of the Raster Disk(Hor.l/ Ver.)		79mm	
Minimum Readout		1″ / 5″ optional	
Accuracy		2"	5"
Detection Method		Horizontal：Dual Vertical：Dual	
Telescope			
Image		Erect	
Length		154mm	
Effective Aperture		45mm (DTM：50mm)	
Magnification		30 X	
Field of View		1° 30′	
Minimum Focus		3″	
Minimum Focussing Distance		1m	
Automatic Vertical Compensator			
System		Dual axis liquid-electric sensor compensation	
Working Range		±3′′	
Accuracy		1″	
Sensitivity of Vial			
Plate Vial		30″ / 2mm	
Circular Vial		10′ / 2mm	
Optical Plummet			
Image		Erect	
Magnification		3×	
Focussing Range		0.5m～∞	
Field of View		5°	
Display			
Type		3.5inches 320×240 LCD TFT	
Computer Unit			
On-Board		Windows CE.NET English operation system	
Processor		SAMSUNG S3C2410 32-bit risc microprocessor	
Memory		RAM 64M ROM 64M	
Interface			
U-disk		Supportable	
Serial I/F Port		RS-232C(6pin) USB Mini-B and Type A	
On-board Battery			
Power Supply		Rechargeable Ni-H battery	
Voltage		7.2VDC	
Operating Time		8 hours	
Size			
Dimension		L200×H350×W180 mm	
Weight		6.0 kg	
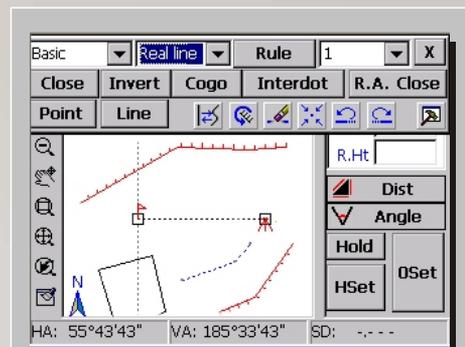
Mapping Genius provides a real-time
imaging capability during measurement
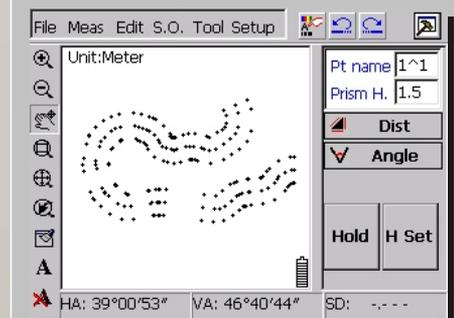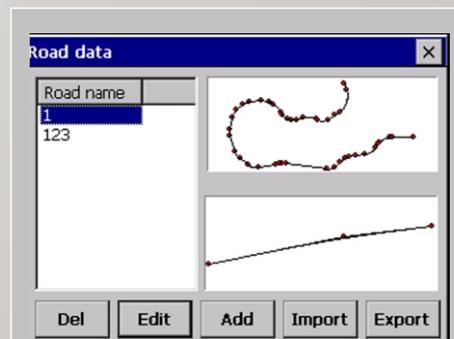
Engineering Genius facilitates your
project in a direct and systematic way

RTS-880R/820 Series Total Station
Abundant Surveying Programs

Remote Distance Measurement
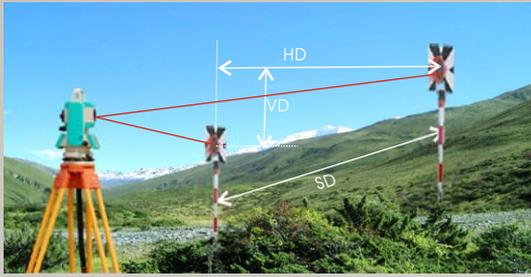
Multiple-Point Resection

Remote Elevation Measurement

Area(Plan) and Circumference Calculation
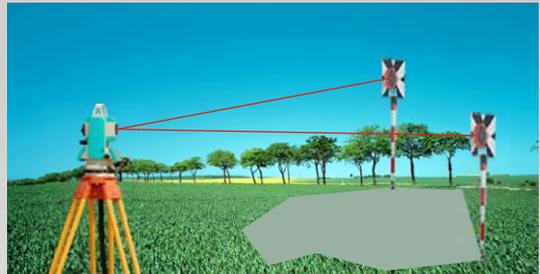
Stake-Out
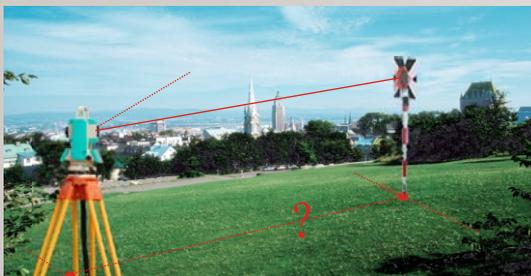
Road Design And Stake-Out


## Reference Line & Arc
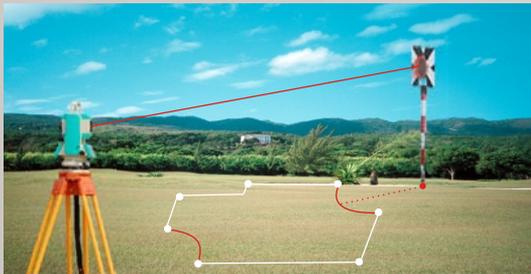
COGO Programme
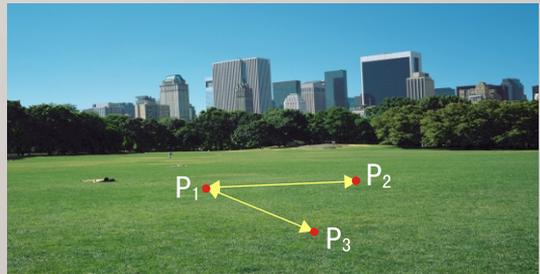
Offset Measurement
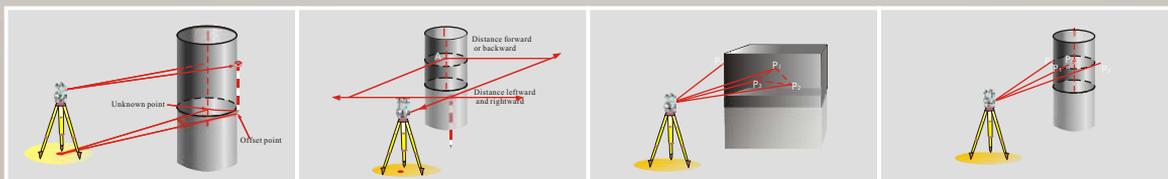
Angle Offset

Distance Offset

Plane Offset

Column Offset