SPECIFICATIONS

		KTS-470RC	
Distance Measurement			
Max.Range	Single prism	5.0km	
	Reflectorless	800m	
	Reflector	1.0km	
※Object in shade, or sky overcast			
Accuracy	Reflectorless	Fine	$\pm$(3+2ppm×D) mm
	Reflector	Fine	$\pm$(2+2ppm×D) mm
		IR sheet	$\pm$(2+2ppm×D) mm
Reading		Max:99999999.9999m Min:0.1mm	
Measuring Time	Reflectorless	Fine Mode:<0.3s;Tracking Mode:<0.1s	
Atmospheric Correction		Manual Input, Auto Correction	
Prism Constant		Manual Input, Auto Correction	
Temperature Sensor		Freecale Sensor	
Angle Measurement			
Measuring Method		Absolute Continuous	
Dia. of Encoder Disk		79mm	
Minimum Reading		0.1″	
Accuracy		2″ / 5″	
Detection Method		Horizontal: Dual, Vertical: Dual	
OS and Hardware platform			
Operate System		WINDOWS CE 6.0	
Display		3.5 inch. 640x480 Highlighted Touch Screen	
Data Communication		RS232, MINN USB, SD CARD	
Processor		Intel PXA310 806MHZ	
Memory		128M DDR, 512M NAND Flash	
Blue Tooth		30M range. Class 2, V2.0+EDR	
WiFi		Optional	
Power Control Processor		Auto Adjust Voltage and Frequency, Save energy	
Telescope			
Image		Erect	
Tube Length		154mm	
Effective Aperture		45mm,(EDM:50mm)	
Magnification		30x	
Field of View		1° 30′	
Minimum Focus Distance		1m	
Resolving Power		3″	
Auto Compensator			
System		Dual Axis Liquid-electric	
Working Range		$\pm$3′	
Accuracy		1″	
Vial			
Plate Vial		30″/ 2mm	
Circular Vial		8/ 2mm	
Optical Plummet			
Image		Erect	
Magnification		3x	
Focusing Range		1m - ∞	
Field of View		5°	
On-Board Battery			
Type		Rechargeable Li-ion Battery	
Voltage		DC 6V	
Continuous Operation Time		10 hrs	
Others			
Temperature		-20 ~ +50C	
Dimension and Weight		200x190x350mm, 6.0kg	
Plummet		Optical or Laser Plummet Optional	

STANDARD CONFIGURATION

1. Mainframe 1x
2. Rechargeable Battery 2x
3. Battery Charger 1x
4. Communication Cable 1x
5. Mini USB Cable 1x
6. SD Card 1x
7. Tools Kit 1x
8. Dryer 1x
9. Plummet 1x
10. Carrying Case 1x
11. Operation Manual 1x
12. Software CD 1x
13. Warranty Card 1x
14. QC Pass Certificate 1x
15. Rain Cover 1x
16. Belt for Case 2x

USB Communication Cables

KE-290

Battery and Charger

KB-35A   KC-20

EU/US/JP/UK/UL Type chargers available

COMPATIBLE ACCESSORIES

Solar Filter
KF-20

Diagonal Eyepiece
KDE20

KOLIDA

Smaller Size

Increased Performance

KTS-470RC SERIES

WinCE TOTAL STATION

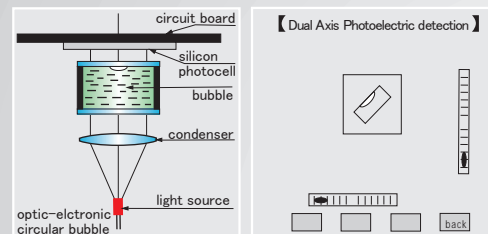# WinCE TOTAL STATION
KTS-470RC SERIES

Windows CE Operating System

You can use computer, then you can use our KTS-470RC total station. Regardless of your profession, no experience needed. From simple tasks to professional all-day use, enjoy the benefits of simplicity and functionality with KTS-470RC.

Dual-axis Compensation

With advanced electronic compensators, KTS-470RC can level and correct collimation errors quickly. Dual-axis compensation on KTS-470RC can assure you the maximum reliability with both horizontal and vertical angles.

circuit board
silicon photocell
bubble
condenser
light source
optic-elctronic circular bubble

【 Dual Axis Photoelectric detection 】

back

Complete Flexibility in Communications

Provide you full flexibility in data handling by SD card, mini USB, RS232 port, Bluetooth (optional).
You can choose your favorite communication method, to restore and transfer data quickly, securely.

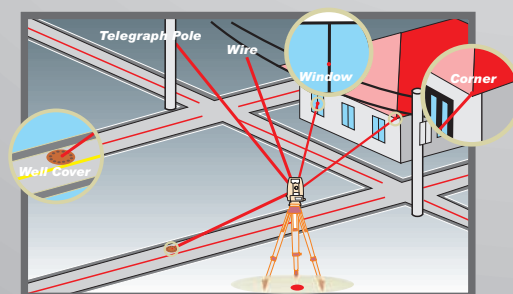RS232 serial port   Temperature Sensor

USB port and SD card   Bluetooth (optional)
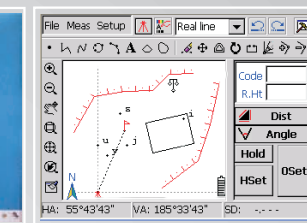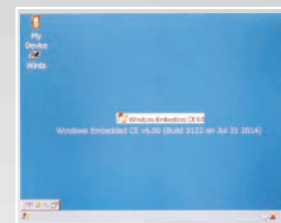
Non-prism Distance Measurement

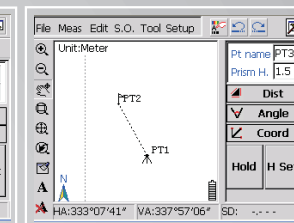Non-prism Range 800m, Prism 5km-10km. Better stability, shorter time. KOLIDA 470RC maximize your working efficiency.

Telegraph Pole
Wire
Window
Corner
Well Cover

THE ADVANTAGE OF KOLIDA TOTAL STATION

LCD Touch-screen, Graphic Display

Larger, highly visible, smart LCD touch screen allows you to view and edit data with ease. Just work the way you want, show the data in graphic display.

Mapping Genius   Engineering Genius

Multiple Assistant Software

Mapping Genius
Mapping Genius is an integrated software for field data collection and mapping. With the advantages of Laptop, data collector, PDA, it realizes the integration of indoor and outdoor works.
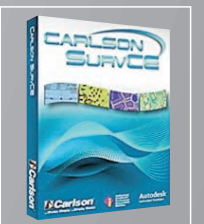
Engineering Genius
Engineering Genius is especially designed for construction measurement works. It brings user data collection/ calculation and mapping programs which can be applied in various works.

Support to work with both SurvCE and Field Genius

Carlson SurvCE (coming soon)
Carlson SurvCE, a user-friendly fieldwork solution to meet diverse needs. Provides comprehensive data manipulation but no experience needs, combines advanced functionality with easy-to-use interface, support landXML points, DTM, graphics, alignments, profiles and sections. (Need to purchase individually)

MicroSurvy Field Genius (coming soon)
MicroSurvy Field Genius is survey data collection software, functions with code-free linework, productivity tasks, better calculation tools and hardware freedom of choice. (Need to purchase individually)