SPECIFICATIONS

			KTS-472R10L	KTS-472R6L
Distance Measurement				
Max.Range	Single prism		5.0km	
	Reflectorless		1000m	600m
	Reflector		1.0km	
※Object in shade, or sky overcast				
Accuracy	Reflectorless	Fine	±(3＋2ppm×D) mm	
	Reflector	Fine	±(2＋2ppm×D) mm	
		IR sheet	±(2＋2ppm×D) mm	
Reading			Max:99999999.9999m Min:0.1mm	
Measuring Time	Reflectorless		Fine Mode:Ł0.3s; Tracking Mode:Ł0.1s	
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, Mini USB, SD Card	
Processor			Intel PXA310 806MHZ	
Memory			128M DDR, 512M NAND Flash	
Bluetooth			30M range. Class 2, V2.0+EDR	
WiFi			Yes	
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			±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℃ ~ ＋50℃	
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. Warranty Card 1x
13. QC Pass Certificate 1x
14. Rain Cover 1x
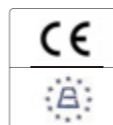15. Belt for Case 2x

Battery and Charger

LB-01   LC-10

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

COMPATIBLE ACCESSORIES

Solar Filter
KF-20

Diagonal Eyepiece
KDE20

CE

KOLIDA
Professional's Choice

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Tel: +86-20-22139033   Fax: +86-20-22139032
Email: export@kolidainstrument.com   http://www.kolidainstrument.com

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KOLIDA
Professional's Choice

Smaller Size
Increased Performance

KTS-472R10L SERIES

WinCE TOTAL STATION

KTS-472R10L WinCE Total Stations

KOLIDA's new 470 Series Total stations
New Advanced Design with Improved Technology

KTS-472R10L is designed to deliver the latest technology to surveyors worldwide, you will appreciate the technical improvement and advantages from the beginning of working with this equipment.

Featuring an ultra-powerful EDM, the KTS-472R10L is able to measure up to 1000m without reflector at an incredible 3mm+2ppm accuracy, and in prism mode it is able to measure up to 5,000m with single prism.

Measurements are captured faster than ever: 0.1 second in tracking mode and 0.3 second in fine mode. The bright red laser dot pinpoints are also featured.

New Touch Screen and New Program

The 3.5 inch touch screen makes operation much easier. Its 640* 480 high resolution with true color highlighted quality highly improves the visibility under sunshine, and backlight function also provides more continence for night operation.

KOLIDA developed Mapping Genius and Engineering Genius as free mapping software for KTS-472R10L. Its Windows CE 6.0 operation system also supports Carlson SurvCE, MicroSurvey Field Genius and other third party software to provide a complete field-to-office solution for various demands of survey works.

Ultra-Powerful, Advanced EDM

· 1000m Non-prism range
· 5000m prism range
· 0.1-0.3 second measurement time
· Coaxial red laser pointer
· Improved performance under foggy condition

Various Communication Interface

· USB Flash Disk (through OTG cable)
· Up to 32GB SD card storage
· Mini USB port
· RS-232 serial port
· Environmentally protected

Windows CE 6.0 operation system

· KOLIDA Mapping Genius
· KOLIDA Engineering Genius
· Carlson SurvCE (optional)
· MicroSurvey Field Genius (optional)

Rugged, Waterproof Design

· Waterproof/ dust proof IP55 protection
· Atmosphere/ Temperature sensor
· Stable angle accuracy
· Alphanumeric keyboard with backlight

■ Abundant 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.

Mapping Genius   Engineering Genius

Carlson SurvCE (Optional)   **MicroSurvey FieldGenius** (Optional)

■ Comparison of KTS Series Total Stations

	442LLC	442R6LC	462R10L	472R10L
Laser Type	Infrared Laser	Visible Laser		
Range	5,000m by 1 prism	600m non-prism 5000m by 1 prism	1000m non-prism 5000m by 1 prism	
Laser Pointer	N/A	Yes		
Operation System	DOS			Windows CE 6.0
Built-in Memory	2MB (24000 points)		4MB (48000 points)	128MB DDR 512MB NandFlash
SD Card	Up to 32GB			
Atmosphere/ Temperature Correction	Manual		Automatic	
Bluetooth	N/A		Optional	Yes
Battery	2700mAH		3100mAH	

■ New Functionalities

Bluetooth

Bluetooth communication is available for KTS-472R10L. By the Bluetooth wireless link, you can easily connect your data collector with total station without cable. This technology brings total flexibility to you field operation.

WIFI

KTS-472R10L is equipped with WIFI module, and support WIFI function. You can easily surf the Internet and communicate with other mobile phones or computers with WIFI .
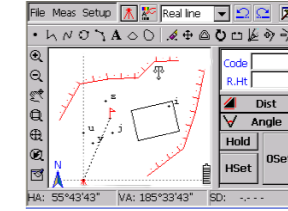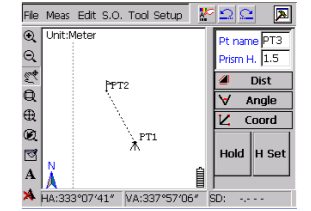
1000m Reflectorless | Ultra Low-noise Amplifier | Carrier Frequency | Noise Phase Analysis | HD Display | Co-axial Laser Beam | Ultra Fast Measurement | Dual Compensation | T/P Sensor

4-probe Encoding | IP55 | Windows CE 6.0 | Laser Plummet | Laser Pointing | Wireless Transfer | Bluetooth Link | SD Storage | USB Interface