

Best choice, Brightest price

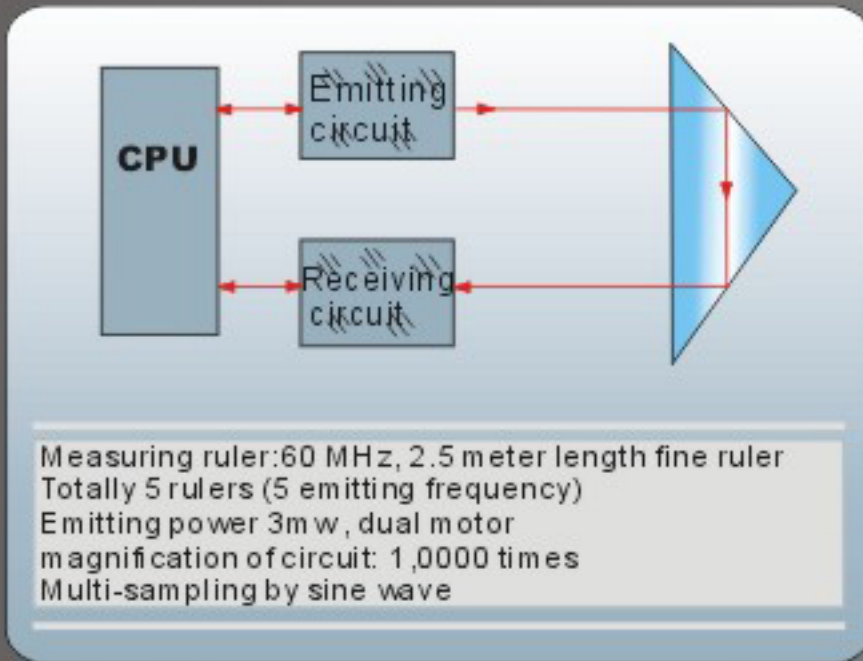
KOLIDA



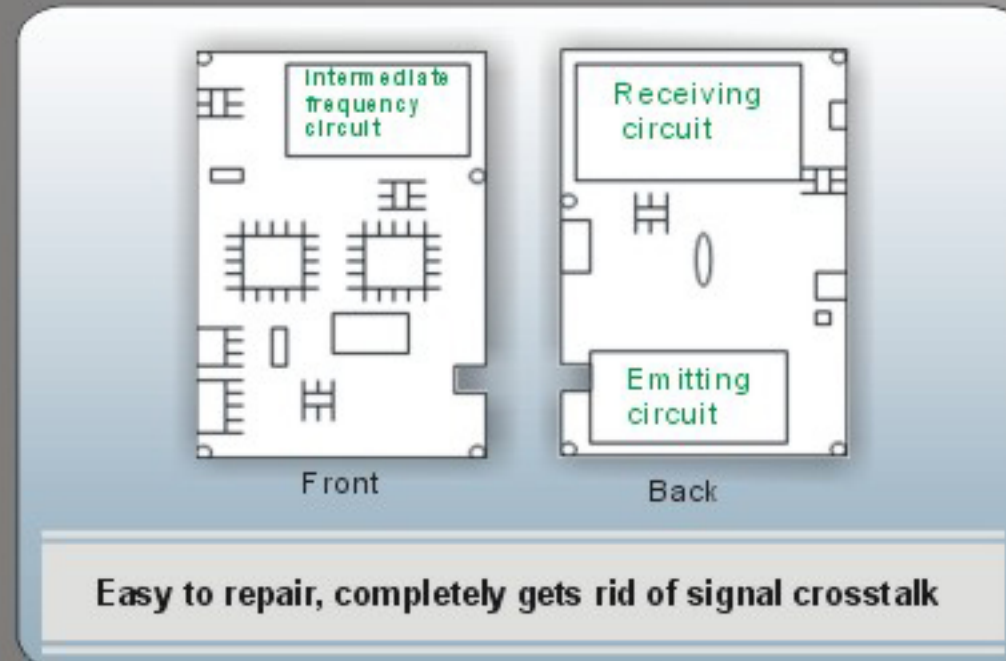
KTS-440RC SERIES

Reflectorless Total station with SD Card Storage

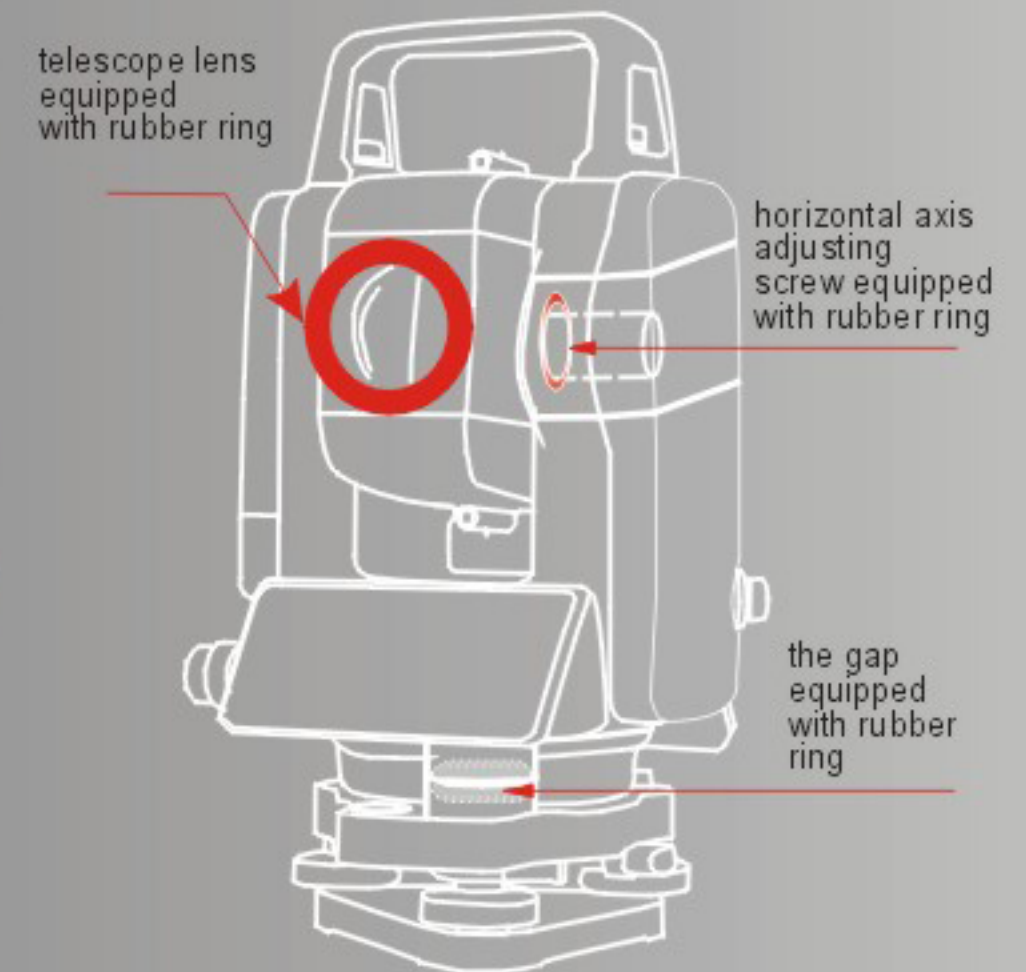
Circuit Diagram



All in one board, World Class Technology

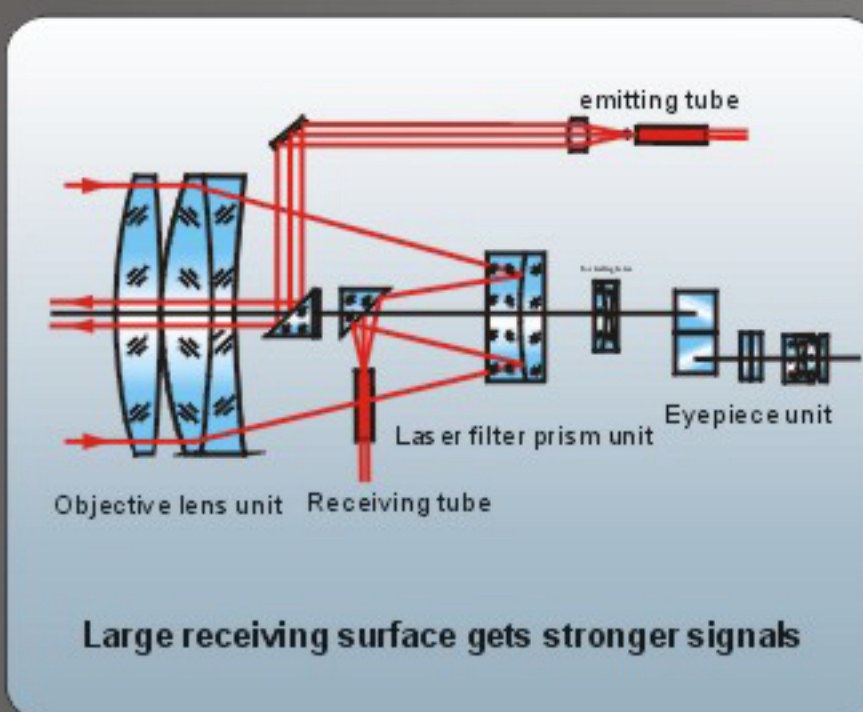


Rubber Circle for Water Proof

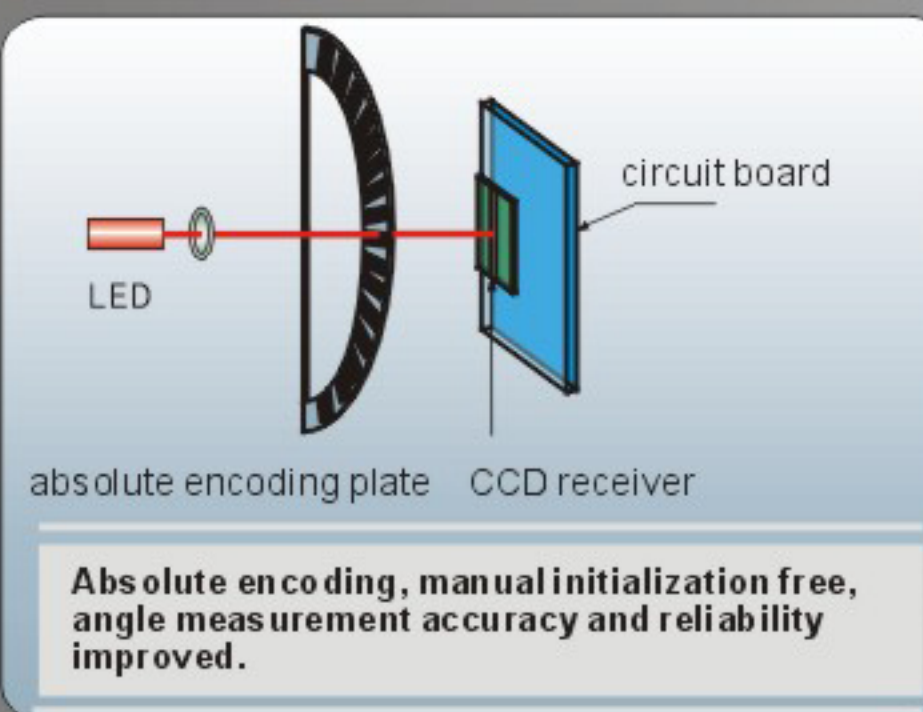


Rubber Circle in most positions IP55 Class

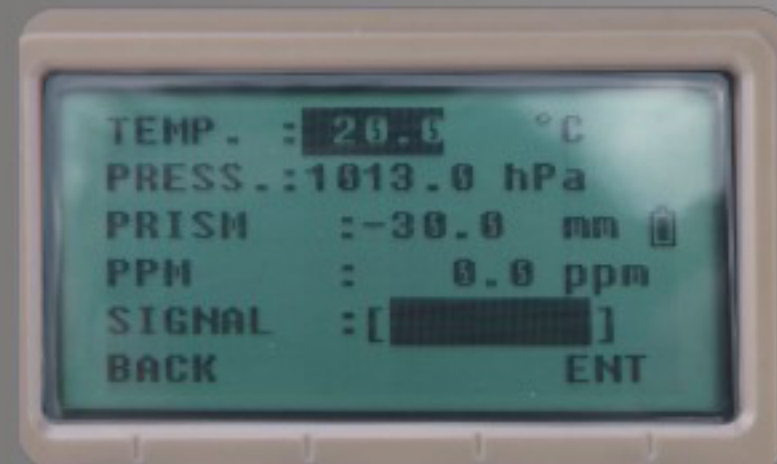
Laser Path Diagram



Angle measurement by Absolute Encoding Disc

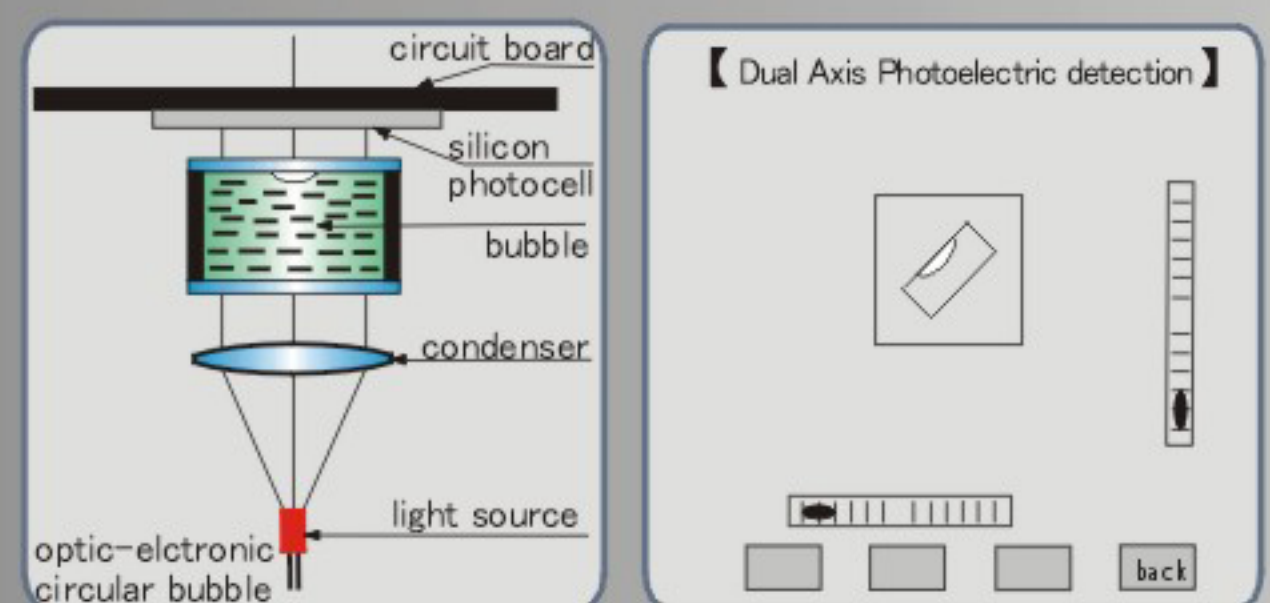


Six-line display and convenient management



Convenient Management on Internal Memory.
 Huge capacity of internal memory enables you to easily complement file system management, including adding, deleting, modifying and transferring data.

Dual axis compensation



SD card storage and Mini USB port

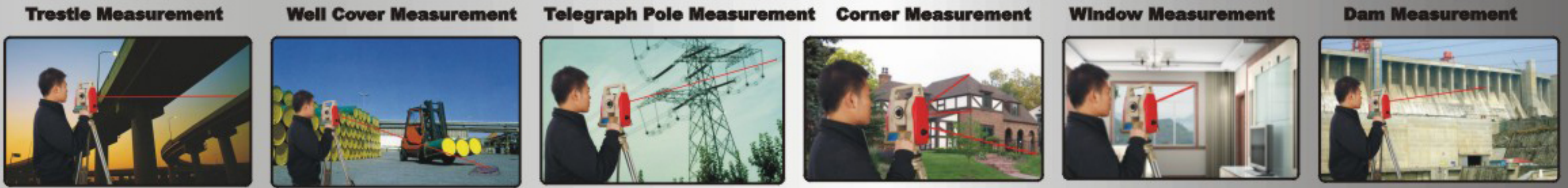
USB Flash/ SD card memory enables user to manage massive working data and resources. Never hurry to take your machine back to office, just keep your flash card or SD card in pocket!



Laser plummet



APPLICATION OF KTS-440RC



COMPARISON OF KTS-440L/R AND KTS-440RC

	440L	440R	440RC
Laser Type	Infrared Laser	Visible Laser	Visible Laser
Distance Measurement Range	5,000m by 1 prism	300m reflectorless 5,000m by 1 prism	300m reflectorless 5,000m by 1 prism
Compensation System	Single Axis	Single Axis	Dual Axis
Memory Storage	Internal memory 2MB (24,000 points)	Internal memory 2MB (24,000 points)	External memory SD card (up to 2G) Internal memory 2MB (24,000 points)

ABUNDANT ADD-IN PROGRAM

3-D coordinate measurement

Remote elevation measurement

Staking-out

Road design and measurement program

Two-distance offset measurement

Area Calculation

Data Storage

Angle offset

Angle recalculation

Dual-distance offset

SPECIFICATION

	KTS-442RC	KTS-445RC
Measuring Range		
1P	5.0km	5.0km
No prism	300m	300m
Digital Display	Maximum: 99999999.999 Minimum: 0.1mm	
Accuracy	With prism: 2mm+2ppm Without Prism: 5mm+3ppm	
Measuring Time	Fine 1.0s Tracking 0.5s	
Atmospheric Correction	Automatic Correction by Inputting Parameter	
Prism Constant	Automatic Correction by Inputting Parameter	
Angle Measurement		
Measurement Method	Absolute Encoding	
Diameter of The Raster Disk	79mm	
Minimum Reading	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'	
Resolving Power	3"	
Minimum Focus	1m	
Compensation		
System	Dual axis liquid-electric	
Working Range	± 3'	
Resolving Power	1"	
Sensitivity of Vials		
Plate Vial	30" / 2mm	
Circular Vial	8' / 2mm	
Optical Plummet		
Image	Erect	
Magnification	3X	
Focusing Range	0.5m ~ ∞	
Field of View	5°	
Laser Plummet		
	Optional	
Data Storage & Communication		
Internal Memory	2M/24000 points	
External Memory	SD card (up to 2G)	
Communication Port	RS 232, mini USB	
Display		
Type	Dual sides	
Battery		
Power Supply	Rechargeable Ni-H battery	
Voltage	6 V DC	
Operation Time	10 hours	
Dimension & Weight		
Dimension	160mm×150mm×330mm	
Weight	5.8 kg	

ACCESSORIES (OPTIONAL)



Reflector Prism System
TPS 17(Single) TPS 30(Triple)



Dia.: 25.4mm
Offset: 17.5/-7.5mm
Mini Pole: 30cm×4, Φ 10mm

Mini Prism System TPSmini112A



ATS-1(Aluminum) ATS-2(Wooden)
Prism Pole & Prism System TPS107