

SPECIFICATIONS

CTS-661		CTS-662R10
Angle Measurement		
Accuracy	ISO 17123-3	1" 2"
Detection Method		Horizontal: Dual Vertical: Dual
Measurement Method		Absolute Encoding
Diameter of the Absolute Encoding Disk (Horizontal/Vertical)		79mm
Minimum Reading		0.1"/ 1" Optional
Distance Measurement		
Max. Range	Reflectorless	1000m
	1 Prism	3.5km/ under good condition 4.0km
	3 Prism	5.0km
	Sheet	1.0km
Accuracy	Reflectorless	0-300m 3mm+2ppm, 300-600m 5mm+2ppm, >600m 10mm+2ppm
Reading	Reflector	± (2 + 2ppm×D) mm
Measuring Time		Maximum: 99999999.999m; Minimum: 1mm
Atmospheric Correction		Fine Mode: <2s; Tracking Mode: <0.25s; Repeat: <0.35s
Prism Constant		Auto Correction
Telescope		
Image		Erect
Length		152mm
Effective Aperture		45mm, (DTM: 47mm)
Magnification		30 X
Field of View		1° 30'
Minimum Focus		3"
Minimum Focussing Distance		1m
Reticle Illumination		Adjustable
Automatic Compensator		
System		Dual Axis Liquid-electric Sensor Compensation
Working Range		±6'
Accuracy		1"
Sensitivity of Vial		
Plate Vial		30" / 2mm
Circular Vial		8' / 2mm
Optical Plummet		
Image		Erect
Magnification		3 X
Focusing Range		0.3m~∞
Field of View		5°
Laser plummet (optional)		5 levels adjustable
General		
Display		3.7 inches LCD, 320×240 dpi Touch Screen backlight, contrast adjustment
Keyboard		Alphanumeric Keyboard/ 30 keys with backlight
EDM Trigger Key		Quick Measure Key located on side cover
Laser pointer		Easy to find target
Guide light (optional)		Indicates correct position fast and easy
Bluetooth		Easier way to transfer data and connect with controller
Communication		
Camera		3.2MP, available on CTS-662i
SD card		Supportable
Serial I/F Port		USB flash disk/ RS-232C(6pin)/ USB Mini-B/ SD card/ BLUETOOTH
On-board Battery		
Power Supply		Rechargeable Lithium Battery
Voltage		7.4 VDC
Operating Time		Operating Period with Single Angle and Measurement every 30 seconds 14 hours
Physical		
Dimension		L216×W200×H350 mm
Weight(without battery)		5.2Kg
IP Standard		IP65
Data Storage	Internal Memory	98M, ready for 833,000 data blocks
	External Memory	SD Card 4GB, ready for approx. 34,000,000 data blocks 8G USB Flash disk, ready for approx. 68,000,000 data blocks
Working Temperature		-20℃~50℃

PACKAGE COMPONENTS



Standard package components

- Total Station CTS-662R10/661
- Rechargeable Battery LI-39 x2
- Battery Charger & Adaptor
- Communication Cable KE-203
- User Manual (E-Copy)
- SD Card
- Tools Kit
- Dryer
- Carrying Case
- Mini USB Cable
- Reflector Sheet
- Belt for Case

Optional Accessories

- Solar Filter
- Diagonal Eyepiece DFT-2RT

OPTIONAL ACCESSORIES



Mini Prism System TPSmini112A

dealer info



CTS-662R10/661
Reflectorless Total Station

New Arrival



- 1"/2"Accuray for Angle Measurement
- 1000m Reflectorless Range
- Fast and Powerful EDM
- Ultra-clear Touch Screen
- Bluetooth Technology
- 3MP Camera (Optional feature)



GUANGDONG KOLIDA INSTRUMENT CO., LTD.

Add: 7/F, South Geo-information Industrial Park, No.39 Si Cheng Road, Tian He IBD, Guangzhou 510663, China
Tel: +86-20-22139033 Fax: +86-20-22139032
Email: export@kolidainstrument.com market@kolidainstrument.com http://www.kolidainstrument.com

Your Best Work mate

Advanced Design With Superior Technology

KEY FEATURES



1"/2" Accuracy for Angle Measurement
1000m reflectorless measurement
Laser pointer, easy to find target



T-P sensor, automatic correction



Data transfer and storage
Flash disk and SD card,
Mini USB.



Long-Lasting Lithium Battery



EDM Trigger Key
Quick Measure Key locates at the side cover, which avoids any possible torque during the angle measurement. Especially ideal for gloved hands.



Touch point keypad with backlights
Fast reaction and precise.



Active screen back light Technologic
Double screen, operation on this side, other side will close backlight to save energy.




Concentrated ball bearing
Solve axis jam, more stable and reliable.

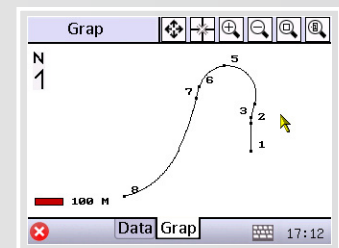
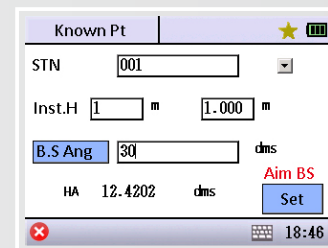


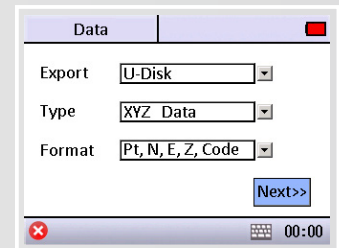
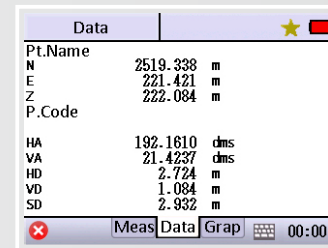
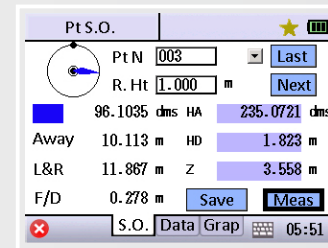
High resolution touch screen
3.5 inch touch screen, transluence and semireflective design, 320*240, easy to read under sun shine.

SOFTWARE INTERFACE



Turning the complex professional job into graphical operation, intuitively and easily even for beginners.





APPLICATIONS



Construction Measurement
Measure the corner and wall surface by yourself without setting the prism, the efficiency is improved



Dam Measurement
For target within 500m, prisms are not required. The surveying work is easily finished




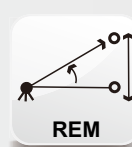



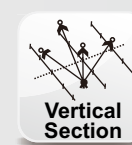
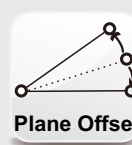
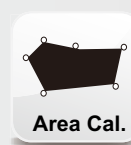
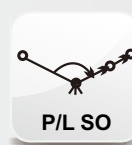
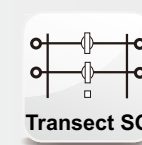
Shipbuilding Measurement
Large shipbuilding surveying and positioning



Tunnel Measurement
Be able to observe measuring point without prisms. Point-layout becomes easier

PROGRAMS





IMAGING FUNCTION



Imaging function is available on CTS-662i 3.2 mega pixel camera in front of the EDM. Capture the color images of the points you measure at anytime. Images can be saved and post-processed with relevant point information.