SPECIFICATIONS

Measurement Method			CTS-661	CTS-662R10
Detection Method Diameter of the Absolute Encoding Diameter of the Absolute Encoding Disk (Horizontal/Vertical) Minimum Reading Distance Measurement Reflectorless	Angle Measurement	t		
Measurement Method Absolute Encoding Diameter of the Absolute Encoding Disk (Horizontal/Vertical) 79mm Finecoding Disk (Horizontal) 79mm	Accuracy ISO 17123	3-3	1"	2"
Diameter of the Absolute Faceting Fac	Detection Method		Horizontal: Dual	Vertical: Dual
Minimum Reading	Measurement Metho	bd	Absolute	Encoding
Distance Measurement			70	
Distance Measurement			0.1"/1"	Ontional
Reflectorless		ent	0.1 / 1	Optional
1 Prism 3 Prism 5.0km 5.0km 5.0km 5.0km 5.0km 5.0km 6.0km 5.0km 6.0km 5.0km 6.0km 6.0km 5.0km 6.0km	210101100 11100001 01111		100	00m
Max. Range 3 Prism Sheet Sheet 1.0km Sheet Sheet 1.0km Accuracy Reflectorless Reflector Reading ⊕ 300m 3mm+2ppm, 300-600m 5mm+2ppm, >600m 10mm+2ppm ±(2-2xppm × D) mm Masziming Time Fine Mode: <22; Tracking Mode: <0.25s; Repeat: <0.35s				
Sheet 1.0km Reflectorless Reflectorless Reflector Reflector Reflector Redictor Redictor Redictor Redictor Redictor Redictor Heading Head	May Pange			
Reflectorless Reflector Reflector Reflector Reflector Reflector Reflector Et-2+ppm × D) mm Measuring Time Fine Mode: <2s; Tracking Mode: <0.25s; Repeat: <0.35s Auto Correction Reflector Auto Correction Auto Correction Reflector Reflector Auto Correction Auto Correction Reflector Reflector Reflector Auto Correction Auto Correction Reflector	Wax. Nange			
### Reflector #### Reflector ####################################				
Reading Maximum: 99999999999999999999999999999999999	Accuracy			
Measuring Time Atmospheric Correction Atmospheric Correction Auto Correction Prism Constant Auto Correction Auto Correction Telescope Image	Reading	Kenector		
Atmospheric Correction Prism Constant Prism Constant Prism Constant Prism Constant Prism Constant Prielescope Image	•			•
Prism Constant Telescope Image		ion	-	
Telescope Image	•			
Erect Length			Auto co	nrection .
Effective Aperture ### 45mm, (DTM: 47mm) ### 30 X Field of View ### 1° 30' ### 30' ### Minimum Focus ### Adjustable #	•		Fr	ect
Effective Aperture Magnification Magnification Magnification Magnification 30 X Field of View Minimum Focus Minimum Focus Minimum Focusing Distance Reticle Illumination Adjustable Automatic Compensator System Dual Axis Liquid-electric Sensor Compensation Working Range ### E6' Accuracy 1" Sensitivity of Vial Plate Vial Plate Vial Circular Vial Optical Plummet Image Magnification Augustable Magnification Augustable Magnification 30" / 2mm Circular Vial Brage Brect Magnification 3 X Focusing Range Field of View Laser plummet (optional) Seneral Display ###################################	_			
Magnification Field of View Minimum Focus Minimum Focusing Distance Reticle Illumination Automatic Compensator System Working Range Accuracy Data National Plane Plate Vial Plate Vial Optical Plummet Image Magnification General Display As adjustable 30" / 2mm Optical Plummet (optional) Selevels adjustable 30" / 2mm Optical Plummet (optional) Selevels adjustable 30" / 2mm Optical Plummet (optional) Selevels adjustable General Display Alphanumeric Keyboard J 30 keys with backlight EDM Trigger Key Laser pointer Guide light (optional) Bluetooth Easy to find target Guide light (optional) Bluetooth Easier way to transfer data and connect with controller Communication Camera Serial I/F Port USB flash disk/ RS-232C(6pin)/ USB Mini-B/ SD card/ BLUETOOTH On-board Battery Power Supply Voltage 7.4 VDC Operating Time Physical Dimension Weight (without battery) Pistandard Internal Memory Data Storage External Memory Ext	ŭ			
Field of View Minimum Focus Minimum Focussing Distance Reticle Illumination Adjustable Automatic Compensator System Dual Axis Liquid-electric Sensor Compensation Working Range Accuracy 1" Sensitivity of Vial Plate Vial Circular Vial Optical Plummet Image Erect Magnification Focusing Range Field of View 5° Laser plummet (optional) Sensitivity of Vial Display Keyboard Automatic Compensation Weight (without battery) Data Storage Data Storage Image Accuracy 1" Dual Axis Liquid-electric Sensor Compensation Adjustable Erect 30" / 2mm Erect 30" / 2mm Stephona 1" Sensitivity of Vial 10				
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Reticle Illumination			-	
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Brange	Circular Vial		8' / 2mm	
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 Physical Dimension L216×W200×H350 mm Weight(without battery) PS Standard Internal Memory 98M, ready for 833,000 data blocks 8G USB Flash disk, ready for approx. 34,000,000 data blocks 8G USB Flash disk, ready for approx. 34,000,000 data blocks	Optical Plummet			
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Display Backlight, contrast adjustment	General			
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External Memory 8G USB Flash disk, ready for approx. 68,000,000 data blocks	Data Storage	ŕ		
		External Memory		
	Working Temperature	e		

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 •
- Carrying Case
 Mini USB Cable
- Reflector Sheet Belt for Ca

Optional Accessories

OPTIONAL ACCESSORIES



Single Prism Set



Offset: -17.5/-7.5mm

Mini Pole: 30cm×4, ф 10mm

Mini Prism System TPSmini112A

dealer info



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



CTS-662R10/661



Your Best Work mate Advanced Design With Superior Technology

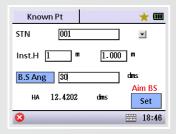
KEY FEATURES

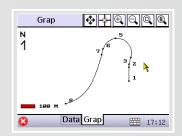


SOFTWARE INTERFACE









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

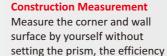
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APPLICATIONS







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. Pointlayout becomes easier

PROGRAMS



is improved



















AUTO-HEIGHT



CTS-661R10 can automatically measure, read, and set the instrument height by only a simple button press. It greatly reduces errors and accelerates the setup process in job sites. The accuracy is ± 1.5 mm at 1.5 m, operating range is from 0.5 m to 3 m. This feature is a national patented technology of China.