SPECIFICATIONS

		CTS-661	CTS-662R10	
Angle Measurem	ent			
Accuracy ISO 17	123-3	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 Measure	ement			
	Reflectorless	1000m		
Max. Range	1 Prism	3.5km/ under good condition 4.0km		
	3 Prism	5.0km		
	Sheet	1.0km		
	Reflectorless	0-300m 3mm+2ppm, 300-600m 5mm+2ppm, >600m 10mm+2pp		
Accuracy Reflector		\pm (2 \pm 2ppm $ imes$ D) mm		
Reading		Maximum: 99999999999999999999999999999999999		
Measuring Time		Fine Mode: <2s; Tracking Mode: <0.25s; Repeat: <0.35s		
Atmospheric Correction		Auto Correction		
Prism Constant		Auto Correction		
Telescope				
Image		En	ect	
Length		152mm		
ŭ		45mm, (DTM: 47mm)		
Effective Aperture Magnification		45mm, (DTM: 47mm) 30 X		
Magnification			• • •	
Field of View		1° 30' 3"		
Minimum Focus		_		
Minimum Focussing Distance		1m		
Reticle Illumination		Adju	stable	
Automatic Compe	ensator			
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		Er	ect	
Magnification		3 X		
Focusing Range		0.3m∼∞		
Field of View		5°		
Laser plummet (optional)		5 levels adjustable		
General	, ,		,	
Ceneral		3.7 inches LCD 320 ×	240 dpi Touch Screen	
Display		backlight, contrast adjustment		
Keyboard		Alphanumeric Keyboard/ 30 keys with backlight		
Keyboard				
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		2 22 42	abla as CTC CC3:	
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 senconds 14 hours		
Physical				
Dimension		L216×W200×H350 mm		
Weight(without battery)		5.2Kg		
IP Standard			265	
otaliaaia	Internal Memory		33,000 data blocks	
Data Storage	internal ivieniory		rox. 34,000,000 data blocks	
	External Memory			
Marie Tarres		8G USB Flash disk, ready for approx. 68,000,000 data blocks $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$		
Working Temperat	turo			

PACKAGE COMPONENTS



Standard package components

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

Optional Accessories

OPTIONAL ACCESSORIES



Single Prism Set



Dia.: 25.4mm Mini Pole: $30 \text{cm} \times 4$, ϕ 10mm Offset: -17.5/-7.5mm

Mini Prism System TPSmini112A

doolor info

K LIDA Professional's Choice

GUANGDONG KOLIDA INSTRUMENT CO., LTD.

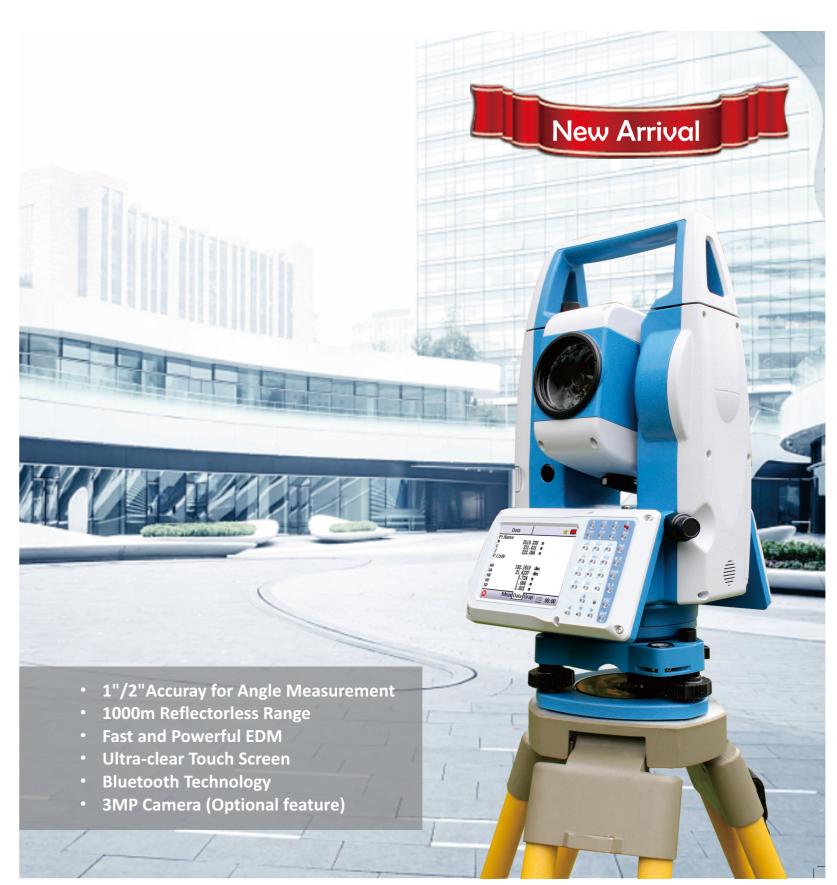
Add: 7/F, South Geo-information Industrial Park, No.39 Si Cheng Road, Tian He IBD, Guangzhou 510663, China Tel: +86-20-22139033 Fax: +86-20-22139032

Email: export@kolidainstrument.com market@kolidainstrument.com http://www.kolidainstrument.com



CTS-662R10/661

Reflectorless Total Station



Your Best Work mate Advanced Design With Superior Technology

KEY FEATURES

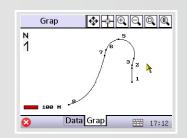


SOFTWARE INTERFACE



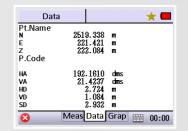






Turning the complex professional job into graphical operation, intuitively and easily even for beginners.

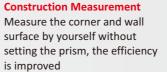
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Away	10.113 п	n HD	1.823 m
L&R	11.867 п	n Z	3.558 m
F/D	0.278 п	Save	Meas
3	s.o.	Data Grap	05:51





APPLICATIONS







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



Large shipbuilding surveying and positioning



Tunnel Measurement Be able to observe measuring point without prisms. Pointlayout 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 relevent point information.









