

SPECIFICATIONS

		CTS-662R6A	CTS-662R10A
Distance Measurement			
	Reflectorless	600m	1000m
Max. Range	1 Prism	4.0km (good condition)	
	3 Prism	5.0km (good condition)	
	Sheet	1.0km (good condition)	
Accuracy	Reflectorless	0-600m 2mm+2ppm, >600m 10mm+2ppm	
	Reflector	$\pm(2+2\text{ppm}\times D)$ mm	
Reading		Maximum: 99999999.999m; Minimum: 1mm	
Measuring Time		Fine Mode: <1s; Tracking Mode: <0.25s; Repeat: <0.35s	
Atmospheric Correction		Auto Correction	
Prism Constant		Auto Correction	
Angle Measurement			
Measurement Method		Absolute Encoding	
Diameter of the Absolute Encoding Disk (Horizontal/Vertical)		79mm	
Minimum Reading		0.1"/1" Optional	
Accuracy ISO 17123-3		2"	
Detection Method		Horizontal: Dual	Vertical: Dual
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		$\pm 6'$	
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 Hiper backlight, contrast adjustment, proprietary windows system format	
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 17 hours	
Physical			
Dimension		L216×W200×H350 mm	
Weight(without battery)		5.2Kg	
IP Standard		IP55	
Data Storage	Internal Memory	2GB, ready for 833,000 data blocks	
	External Memory	SD Card 8GB, ready for approx. 34,000,000 data blocks 16GB USB Flash disk, ready for approx. 68,000,000 data blocks	
Working Temperature		-20℃~50℃	

ACCESSORIES



TK21T

TK25T

Single Prism System

Dia.: 25.4mm
Offset: -17.5/-7.5mm

Mini Pole: 30cm×4, φ 10mm

Mini Prism System ADSmini112A



Standard package components

- Mainframe
- Rechargeable Battery KB-25 x2
- Battery Charger & Adapter
- Communication Cable KE-203
- SD Card
- Tools Kit
- Dryer
- Plummet
- Carrying Case
- Operation Manual
- Software CD
- Warranty Card
- QC Pass Certificate
- Rain Cover
- Belt for Case

Optional Accessories

- Solar Filter KF-20
- Diagonal Eyepiece KDE-20

SANDING

EVERY POINT MATTERS

CTS-662 Series

Reflectorless Total Station



- 600/ 1000m Reflectorless Range
- Fast and Powerful EDM
- Ultra-clear Touch Screen
- Bluetooth Technology
- 3MP Camera (Optional feature)
- Guide Light (Optional feature)

Your Best Work mate

Advanced Design With Superior Technology

KEY FEATURES



600/1000m reflectorless measurement
Laser pointer, easy to find target



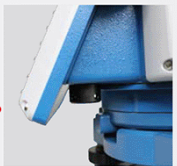
Data transfer and storage
Flash disk and SD card, Mini USB.



Bluetooth
BT 4.0, easy connect to data collector, gyroscope etc.



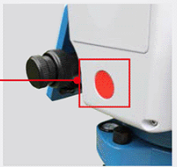
Concentrated ball bearing
Solve axis jam, more stable and reliable.



T-P sensor, automatic correction



Long-Lasting Lithium Battery



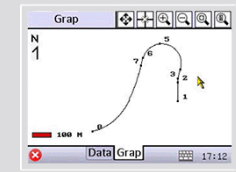
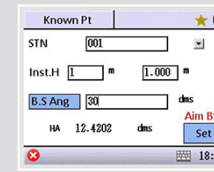
EDM Trigger Key
Quick Measure Key locates at the side cover, which avoids any possible torque during the angle measurement. Especially ideal for gloved hands.

Touch point keypad with backlights
Fast reaction and precise.

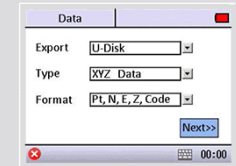
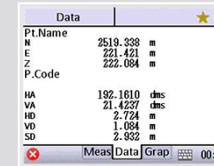
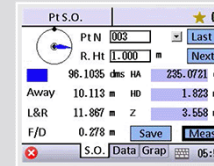
Active screen back light Technologic
Double screen, operation on this side, other side will close backlight to save energy.

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

SOFTWARE INTERFACE



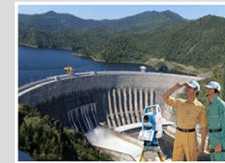
Turning the complex professional job into graphical operation, intuitively and easily even for beginners.



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

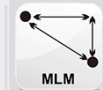


Shipbuilding Measurement
Large shipbuilding surveying and positioning

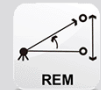


Tunnel Measurement
Be able to observe measuring point without prisms. Point-layout becomes easier

PROGRAMS



MLM



REM



Resection



RoadDesign



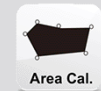
Distance Offset



Transect SO



P/L SO



Area Cal.



Plane Offset



Vertical Section

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.

Dealer Info

SANDING
EASIER POINT MEASUREMENT

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