SPECIFICATIONS

		CTS-662R6A	CTS-662R10
Distance Measurement			
Max. Range	Reflectorless	600m	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	
	Reflector	±(2+2ppm×D) mm	
Reading		Maximum: 99999999.999m; Minimum: 1mm	
Measuring Time		Fine Mode: <2s; 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		±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 senconds 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℃	

ACCESSORIES

TK21T

TK25T

Single Prism System

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

Mini Pole: 30cm×4, φ10mm

Mini Prism System ADSmini112A

Standard package components
- Mainframe
- Rechargeable Battery KB-25 x2
- Battery Charger & Adapeter
- 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

dealer info

KOLIDA
Professional's Choice

CTS-662 Series
Reflectorless Total Station

New Arrival

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

Your Best Work mate
Advanced Design With Superior Technology

KEY FEATURES

600/1000m reflectorless measurement

Laser pointer, easy to find target

T-P sensor, automatic correction

Long-Lasting Lithium Battery

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.

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

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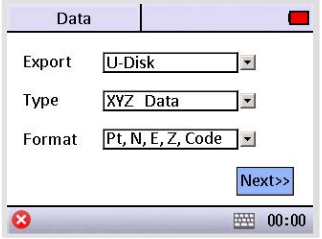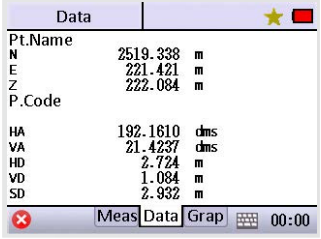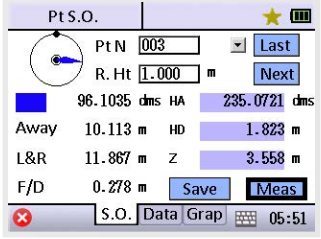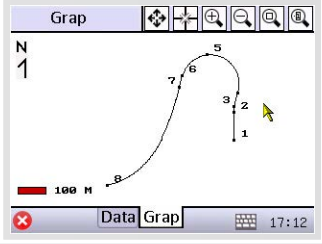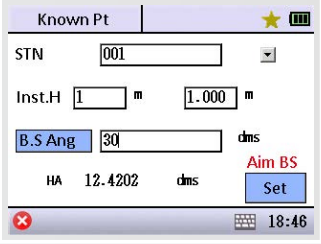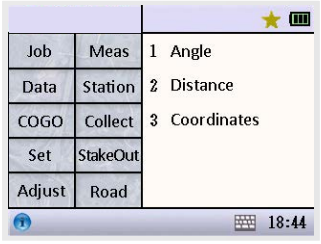
Active screen back light Technologic
Double screen, operation on this side, other side will close backlight to save energy.

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
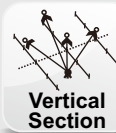For target within 500m, prisms are not required. The surveying work is easily finished
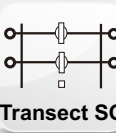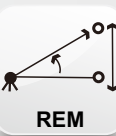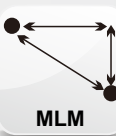
Shipbuilding Measurement
Large shipbuilding surveying and positioning

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 relevent point information.