

SPECIFICATIONS

	KTS-442R10	KTS-442R15
Measuring Range		
1P	5.0km	
3P	8-10 km	
Non prism	1000m	1500m
Digital Display	Maximum: 99999999.9999 Minimum: 0.1mm	
Accuracy	With prism: 2mm+2ppm, without prism 3mm+2ppm	With prism: 2mm+2ppm
Measuring Time	Tracking 0.1s, Fine 0.3s (optimal)	
Atmospheric Correction	Automatic Correction by Inputting Parameter	
Prism Constant	Automatic Correction by Inputting Parameter	
Angle Measurement		
Measurement Method	Absolute Encoding	
Diameter of The Raster Disk	79mm	
Minimum Reading	1 " / 5 " Optional	
Accuracy	2 "	
Detection Method	Horizontal: Four Sensors	Vertical: Four Sensors
Telescope		
Image	Erect	
Length	154mm	
Effective Aperture	45mm (DTM 50mm)	
Magnification	30 X	
Field of View	1° 30'	
Resolving Power	3 "	
Minimum Focus	1m	
Compensation		
System	Dual axis liquid-electric	
Working Range	± 3'	
Resolving Power	1 "	
Sensitivity of Vials		
Plate Vial	30 " /2mm	
Circular Vial	8' /2mm	
Laser Plummet	Yes	
Data Storage and Communication		
Internal Memory	4M /40000 points	
External Memory	SD card (up to 32G)	
Communication Port	RS-232, mini USB	
Display		
Type	Dual sides, 6 lines, black and white	
Battery		
Power Supply	Rechargeable battery (3100mAH)	
Voltage	7.4V DC	
Operation Time	10 hours	
Dimension and Weight		
Dimension	160mm×150mm×330mm	
Weight	5.7 kg	
Environmental Specification		
Dust/Water (IEC60529)	IP66	
Working Temperature Range	-20℃~50℃	
Humidity	95%, non-condensing	

KTS-442R10/R15

The High Performance
Total Station with Great
Reliability, Flexibility and Economy



Kolida's Vision and Mission:

Delivering more values to global users by providing sustaining innovation and uncompromising quality

Seven Major Improvements

To lift your capability and productivity

TECHNOLOGIES



1000/1500m
Reflectorless



Ultra Fast
Measurement



Co-axial
Laser Beam



Ultra Low-
noise Amplifier



Noise Phase
Analysis



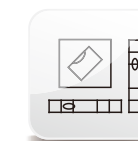
150MHz
Carrier
Frequency



Bluetooth



SD Card Storage



Dual Axis
Compensation



Laser Plummet

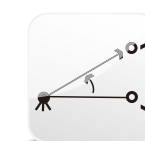


Laser Pointing



IP66

PROGRAMS



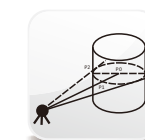
REM



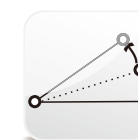
Resection



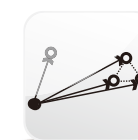
Road Design



Column Offset



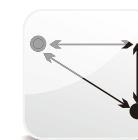
Plane Offset



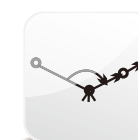
Distance Offset



Area Cal.



MLM



P/L SO

Video and Article: <http://www.kolidainstrument.com/product/details/id/72.html>

Welcome to Kolida Instrument, a fusion of passionate people, continuously innovated technology, services, as well as 25 years experience of manufacturing total station.

Every year more than 12,000 customers choose to purchase Kolida total stations. To ensure our instruments meet the high precision and quality requirement of global users, we manufacture them in state-of-the-art facilities around China.

We recognize certain employees as Master Craftspersons, exceptionally skilled people who take charge of manufacturing the parts of products that require extremely high precision and quality. Their Fast, accurate work creates uniform products of superb quality.

In addition to introducing the latest manufacturing facilities and technologies, we are shortening manufacturing lead times and reducing costs by reviewing production processes and innovating Procurement, to offer you a good instrument as affordable as possible.

You demand, our mission.

