

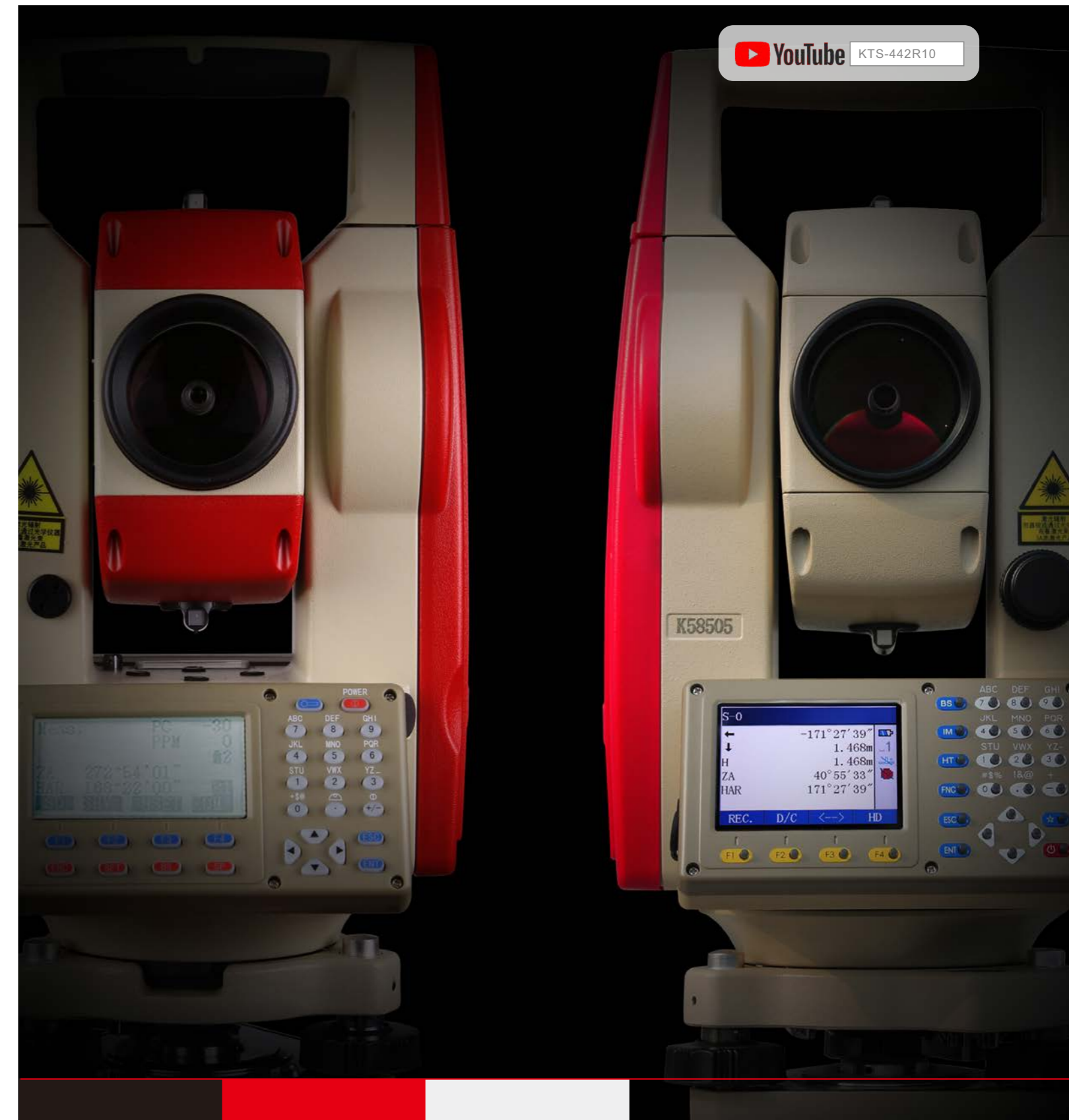
SPECIFICATIONS

	KTS-462R10/ R20	KTS-442R10	KTS-442R15
Measuring Range			
1P		5.0km	
3P		8-10 km	
Non prism	1000m/2000m	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 Sensor	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	Vertical: Four	
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 & Communication			
Internal Memory	4M /40000 points		
External Memory	SD card (up to 32G)		
Communication Port	Bluetooth, Mini USB, RS-232		
Display			
Type	Color screen display	Dual sides, 6 lines, black & white	
Battery			
Power Supply	Rechargeable battery (3100MAH)		
Voltage	7.4V DC		
Operation Time	10 hours		
Dimension & Weight			
Dimension	160mm×150mm×330mm		
Weight	5.7 kg		
Environmental Specification			
Dust/Water (IEC60529)	IP56		
Working Temperature Range	-20℃~50℃		
Humidity	95%, non-condensing		

KOLIDA
Professional's Choice

Building Master KTS-442 / 462

1000/1500/2000m Reflectorless Total Station



KOLIDA
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

Building Master KTS-442 / 462



Up to 2000m reflectorless/5km by prism/2" Angle Accuracy/Dual Axis Compensation/Absolute Encoding/SD card/Mini USB/Bluetooth

The KOLIDA Building Master Series is available in four models: KTS-442R10 (1000m reflectorless), KTS-442R15 (1500m reflectorless), KTS-462R10 (1000m reflectorless), KTS-462R20 (2000m reflectorless). All these models are ideal for construction survey projects such as bridge, road, building, tunnel, as well as topographic survey and cadastre survey. You can choose the best configuration according to your mission type or budget limit.

The release of the first generation Building Master is 3 years earlier than Apple introduced the first IPHONE. Every year 11,000 customers choose to purchase Building Master series. Building Master KTS-442/ 462 is used to be the first Absolute Encoding total station and the first non-prism

**The high-
performance total station
with great reliability
flexibility and economy**

measurement total station in China. From two-CCD-detector to four-CCD-detector angle system, from 100m to 2000m reflectorless range, from sleeve type axis to concentrated ball-bearing axis, KOLIDA's technology innovation never stops.

All the Building Master are powered by China's best laser range-finding technology (0.1s/0.3s in tracking/Fine mode) and classical Sokkia-style measuring program. In the last 9 years, Building Master has been continuously appointed as the official total station of China's National Surveying Skill Contest of Vocational Colleges. You can apply it to all kinds of teaching and training. KOLIDA is happy to provide special offer to education community worldwide.

