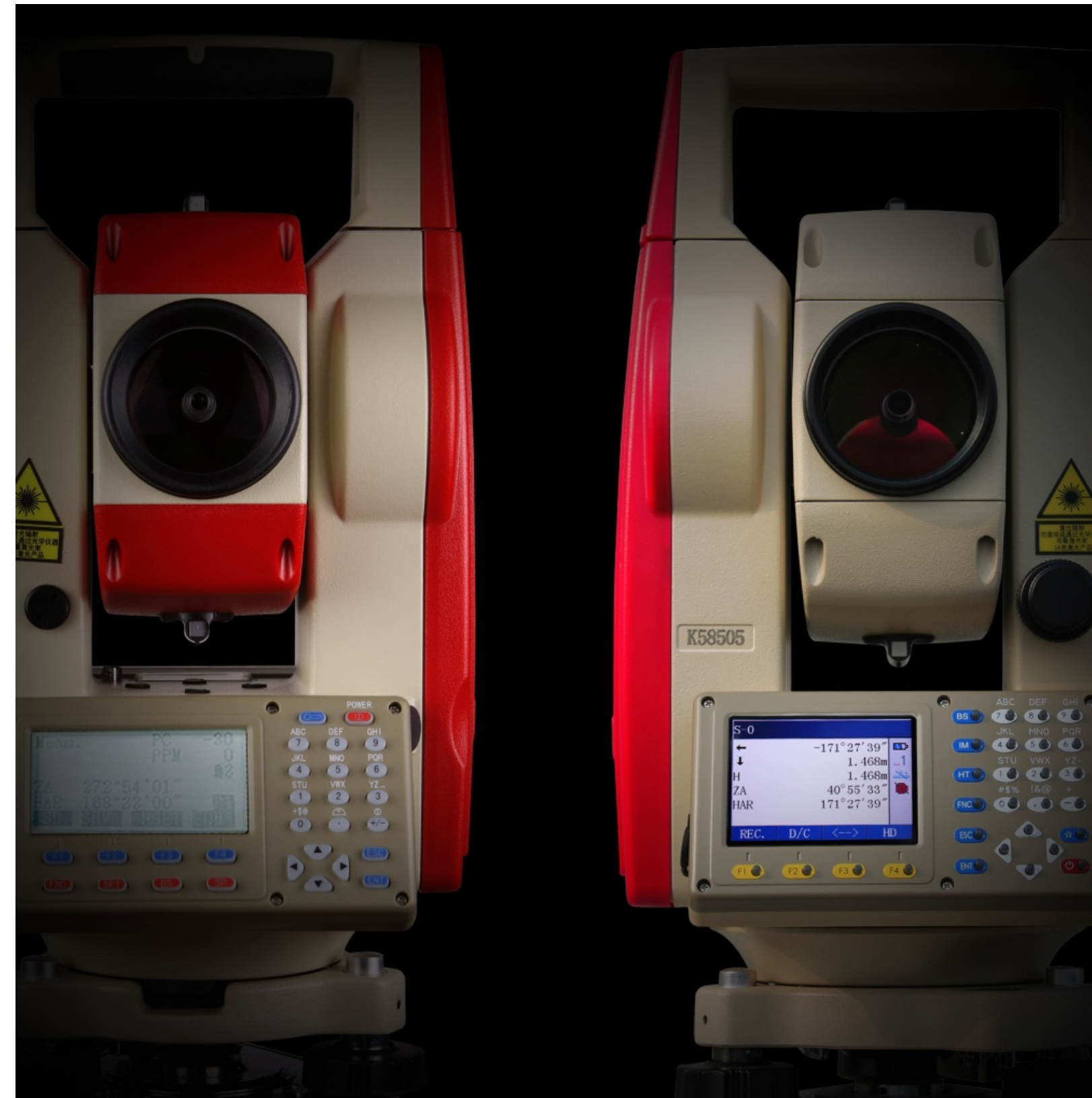


## SPECIFICATIONS

	KTS-462R6LC	KTS-442R6LC	KTS-442LLC
Measuring Range			
1P		5.0km	
3P		8-10 km	
Mini prism		800m	
Non prism	600m		N/A
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		
<b>Angle Measurement</b>			
Measurement Method	Absolute Encoding		
Diameter of The Raster Disk	79mm		
Minimum Reading	1" / 5" Optional		
Accuracy	2"		
Detection Method	Horizontal: Four		Vertical: Four
<b>Telescope</b>			
Image	Erect		
Length	154mm		
Effective Aperture	45mm, (DTM: 50mm)		
Magnification	30 X		
Field of View	1° 30'		
Resolving Power	3"		
Minimum Focus	1m		
<b>Compensation</b>			
System	Dual axis liquid-electric		
Working Range	±3'		
Resolving Power	1"		
<b>Sensitivity of Vials</b>			
Plate Vial	30" / 2mm		
Circular Vial	8' / 2mm		
Laser Plummet	Yes		
<b>Data Storage &amp; Communication</b>			
Internal Memory	4M /40000 points		
External Memory	SD card (up to 32G)		
Communication Port	Bluetooth	RS-232, mini USB	
<b>Display</b>			
Type	Color screen display	Dual sides, 6 lines, black & white	
<b>Battery</b>			
Power Supply	Rechargeable battery (3100mAH)		
Voltage	7.4V DC		
Operation Time	10 hours		
<b>Dimension &amp; Weight</b>			
Dimension	160mm×150mm×330mm		
Weight	5.7 kg		
<b>Environmental Specification</b>			
Dust/Water (IEC60529)	IP56		
Working Temperature Range	-20℃~50℃		
Humidity	95%, non-condensing		

**KOLIDA**  
Professional's Choice

**BUILDING MASTER**



**KOLIDA**  
Professional's Choice

GUANGDONG KOLIDA INSTRUMENT CO., LTD.

Add: 2/F, Surveying & Mapping Building (He Tian Building), NO.24-26, Ke Yun Road, Guangzhou 510665, China

Tel: +86-20-85542075 Fax: +86-20-85542136

E-mail: export@kolidainstrument.com

http://www.kolidainstrument.com

# BUILDING MASTER



**600m 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 three models: the 442LLC with infrared Laser (measures 5000m with prism), the 442R6LC with reflectorless laser (600m with non-prism) and the 462R6LC with color screen display and Bluetooth. All three 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 442 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 600m 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 ranging technology (0.1s/0.3s in tracking/Fine mode) and classical Sokkia-style measuring program. In the last 6 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.

