

# Krypton Total Station

**Model: K-100R1000 Series  
K101R ~ K102R ~ K105R**



**Fast and Accurate**

**EDM Capability**

- : New-Design Optical Path Improve the distance measurement accuracy and speed.
- : Reflector-less 1000m.
- Fine 0.8s. Track Measurement 0.3s.

**Full-Seal Absolute**

**Encoding Unite**

- : Full-Seal Absolute Encoding Unit Avoid Moisture & Dust Enter.
- : Previous Information Remain after Restart or Power-Off, Initialization not required.

**Full Alphanumeric Keyboard**



**Product Introduction**

**Krypton K100R1000 Series Total Stations**

Krypton Series Total Station is widely used in Engineering. It's Equipped with True-Tone Screen, Full-Seal Enclosed Disk, Step-Motor, New Design, Optical Path which Enable Krypton Series Get Excellent Angle and Distance Measuring Performance, Linux Based Operating System.

Krypton Series Total Station is Configured with rich communication Interfaces and Smart Online Calibration Software, which enable Krypton Series a rich selection of data transmission and Real-Time Deduction Function.

**SPECIFICATIONS**

Model	K105R1000	K102R1000	K101R1000
<b>Angle Measurement</b>			
Measurement Method	Absolute Encoding		
Minimum Reading	1mm		1mm
Accuracy	5"	2"	1"
<b>Telescope</b>			
Magnification	30x		
Field of View	1°30'		
Minimum Focusing Distance	1.2m		1m
Reticle	Illuminated		
<b>Compensator</b>			
System	Dual-Axis Tilt Sensor		
Working Range	±3'		
Accuracy	1"		
<b>Distance Measurement (with Reflector)</b>			
Single Prism (Under General/Good)	5000m		
Reflective Sheet	800m		1000m
Accuracy	2mm+2ppm	2mm+2ppm	1mm+1ppm
Measuring Time (Fine/Tracking)	1s/0.5s		0.8s/0.4s
<b>Distance Measurement (Reflector-less)</b>			
Reflector-less Range, (Calculated by Kodak Grey Card white side with 90% reflective)	1000m		
Accuracy	3mm+2ppm	3mm+2ppm	2mm+2ppm
Measuring Time	1.5s		1s
Dedicated Key	Dedicated Red Trigger Key (for fast survey work)		
Internal Data Memory	Approx 1,20,000 Points / 12 MB		
Interface	Standard 16GB/32GB USB Pen Drive		
Wireless Communication	Bluetooth		
Data Format	.CSV, .DXF, .TXT etc.		
<b>Operation</b>			
System	Linux Base or Dot Matrix Operating System		
Display	High Resolution Back-light Black & White Display with Contrast Adjustment/Graphics 192x96 Pixels		
Keyboard	2 Sides Alphanumeric Back-light Keyboard Display Size 3"		
<b>Laser Plummet</b>			
Type	Laser Plummet, 4-Brightness Levels Adjustment		
Centering Accuracy	1mm at 1.5m Instrument Height		
<b>Environmental</b>			
Operating Temperature	-20°C + 50°C (-4°F to +140°F)		
Storage Temperature	-40°C + 70°C (-40°F to +158°F)		
Temperature & Pressure	Manual Input		Auto Input
Dust & Water Proof (IEC60529 Standard)	IP65		IP65
Weight / Dimension	Instrument Weight Approx. 5.5kg / Dimension 55x80x40cm		
<b>Power Supply</b>			
Charger Type / Input-Output	Input: 100-240V / 50/60Hz 0.3A, Output: 8.4V-1.2A (Model: ZC01) with LED Indicators		
Battery Type / Voltage/ Capacity	Li-Ion Battery (Model: ZB01) 7.4 (DC) 3000mAh		
Operating Time with ZB01	Optimal 16 hours (Continuous angle measurement every 30 seconds) 10 hours (Typical with Single Battery)		
Measuring Times	Approx 12000 times with Single Battery (ZB01)		
Software Features	Z Coordinate, REM, MLM, Data Collect, Point To Line, Road Survey, VO Adjustment, Area Measurement, Column Offset		
<b>Krypton Accessories</b>			
Standard Box Accessories	ZB01 Battery, ZC01 Charger, 16GB/32GB P.D, Rain-Lens Cover, Tool Kit, Reflector Stickers, Case		
Standard External Accessories	Fiberglass Dual Lock Tripod/Wooden Tripod, Prism Pole, Prism with Holder & Target Plate		
Optional External Accessories	Mini Prism, Bio-Pod, Wooden Tripod, Tripla Prism, Elevated Tripod, Tribrach Set		



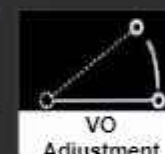
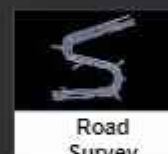
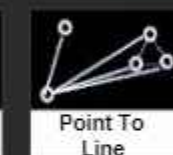
**Stable Dual Axis Compensation**

- Configured for Auto Accuracy Compensation with Range ±3'
- Vivid Graphic Electronic Bubble Display, could be adjusted at Single Face.

**Rich Communication and Transmission**

- Rich Data Transfer Options for Variable needs.
- Example: USB Pen-Drive & Bluetooth Wireless Data Transfer.

**In-Build Software (Survey Features)**



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**Dealer Information:**

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