

SOKKIA

MADE TO FIT YOUR WORLD.

iX Series Robotic Total Station





The ultimate total station

Experience performance like you have never seen before. This is the fastest, lightest, most powerful Sokkia robotic instrument ever produced. Like all of our solutions, you can customize it to meet your needs and create your own workflows.

- UltraSonic motors
- 30 percent smaller and lighter
- TSshield™ global service
- UltraTrac technology
- Three-year instrument warranty
- Five-year UltraSonic motor warranty

Lightening fast

UltraSonic technology is the driving force for the iX series. The motors in the iX series are fast with a rotation speed of 150° per-second — providing the smoothest and most accurate prism-tracking in its class.

Extremely accurate

The new UltraTrac technology offers increased prism-tracking strength in all conditions. Advanced instrument algorithms deliver accurate results no matter how fast you move or how many obstacles are in your way.

Better by design

This slimmed down, compact system is a third smaller and lighter than previous robotic instruments — yet twice as fast. Without traditional gears or wearing parts, the UltraSonic motors last four times longer and are backed by a five-year warranty.

Versatile solution

The iX robot features open source technology. That means you are not locked in to a specific software program for controlling and managing your data. The iX series is ready to fit your workflow.



Field and office, smartly connected

Complex 3D design layout is made easy with field data collection software that provides instant visual guidance to your design files and as-built measurements. Keeping your team connected and design files up to date is simple through secure, direct data exchange.



Sharp display

The iX series has a large and bright color touch screen with a fast processor for improved response time. The user-friendly interface features simple setup routines and hot keys to help you get your work done more quickly.



Secured reliability

You get a worry-free three-year instrument and five-year UltraSonic motor warranty. With TSshield™, you have theft deterrence and firmware maintenance.



Compact and powerful

The iX series is 30 percent smaller than previous robotic instruments, and twice as fast with more functionality.



UltraSonic motors

With a rotation speed of 150° per second, the gearless UltraSonic motors provide the ultimate in prism-tracking speed and accuracy.



Specifications

Telescope	
Resolving power	2.5"
Magnification	30x
Angle Measurement	
iX-502	2"
iX-503	3"
iX-505	5"
iX-1001	1"
iX-1003	3"
iX-1005	5"
Tilt Angle Compensation	
Compensation	Liquid 2-axis tilt sensor
Range	±6'
Distance Measurement	
Prism EDM Range	
iX-500	4,000 m
iX-1000	6,000 m
Non-Prism Range	
iX-500	600 m
iX-1000	800 m
Non-Prism Accuracy	2+2 ppm
Prism Accuracy	
iX-500	2+2 ppm
iX-1000	1+2 ppm
Measuring Time	Fine: 0.9 second Rapid: 0.6 second Tracking: 0.4 second
Communications	
SiteComm™ interference-free communication	
USB 2.0 Slot (Host + Slave)	
RS-232C Serial	
General	
Display	Color touch TFT 800 x 480 display
Keyboard	24 keys with illuminator
Battery Operation	Up to 4 hours
Dust/Water Rating	IP65
Wireless Connection	Bluetooth® Class 1
Operating Temp	-20°C to 50°C
Turning Speed	
iX-500	85°/second
iX-1000	150°/second
Tracking Speed	
iX-500	15
iX-1000	20
Weight (No battery or tribrach)	4.8 kg

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