

Carlson

The iX Series robotic total stations are a trimmed down, high-performance solution. You get the efficiency of a single-operator robotic system combined with the power of long range reflectorless measurements.

Ultra-powerful

UltraSonic technology is the driving force for the iX Series. The UltraSonic motors are the thinnest, lightest, and most powerful on the market – providing you with the smoothest and most accurate prism-tracking possible. It's a difference you can see and hear immediately. With a rotation speed of up to 150° per-second, no matter how fast you move, or how many obstacles are in the way, you cannot outrun the iX.

Ultra-accurate

Our new UltraTrac technology gives you increased prism-tracking strength in all conditions. Advanced instrument algorithms deliver the confidence you need to move ahead. It's not that you lose line-of-sight, it's how fast you can reacquire and get back to work.

Ultra-slim and reliable

Featuring a remarkably slimmed down design, the 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 are much more rugged and durable – lasting four times longer than previous total stations, and we back it with a five year warranty.

Made for SurvCE/SurvPC

Get all you need for your daily work with Carlson's data collection software packages - easy-to-use functions simplify the entire process.



Find Out More NOW!

For more info or to locate a dealer near you-

call - +31 (0) 36 750 1781

www.carlsonsw.com

www.carlsonEMEA.com

iX

Robotic Total Stations



Markerkant 1338 | 1314 AN Almere | The Netherlands

Advanced Technology

Following features are designed to improve accuracy and efficiency:

UltraSonic motors

With a rotation speed of up to 150° per second you cannot outrun the iX

Compact Size

Lighter and smaller than previous robotic instruments without skimping on functionality



Technical specifications:

Angle Measurements

Accuracy	2" (0.6 mgon), 3" (1 mgon), 5" (1.5 mgon)
Display resolution	0.1" (0.1 mgon)
Method	Absolute, continuous
Compensation	Liquid 2-axis tilt sensor

Telescope

Magnification	30x
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Distance Measurements – Prism

	Range / Accuracy / Time
iX-500 Series:	4000m / 2 mm + 2 ppm / typ. 0.6 sec
iX-1000 Series:	6000m / 1 mm + 2 ppm / typ. 0.6 sec

Distance Measurements – Reflectorless

iX-500 Series:	600m / 2 mm + 2 ppm / typ. 0.6 sec
iX-1000 Series:	800m / 2 mm + 2 ppm / typ. 0.6 sec

Motorization

Technology	Technology Ultra Sonic Motors
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Turning Speed

iX-500 series	85° / second
iX-1000 series	150° / second

Tracking Speed

iX-500 series	15° / second
iX-1000 series	20° / second

Interface

Keyboard	24 keys with illuminator
Display	800 x 480 color and touch 4.3" TFT display
Data recording	internal memory, USB-Stick
Ports	RS232C serial; USB 2.0 (Host and Slave), LongLink interference-free communication/Bluetooth Class 1
Operating system	Microsoft Windows CE 6.0

Physical Specifications

Weight	4.8 kg (w/o battery and tribrach)
Operating temperature:	-20°C to 50°C
Dust/Water	rating IP65

Power Supply

Battery	Removable Li-Ion 7.2V / 5240 mAh
Operation Time	up to 4 hours

Plummet

Type	Optical plummet
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The perfect combination

Carlson offers hardware options for use with SurvCE/SurvPC data collection software — either the Carlson MINI2, Carlson Surveyor2 or Carlson RT3, all fast, powerful and incredibly durable devices. Using the built-in long-range bluetooth makes working with the Sokkia iX quite easy and convenient.



Best in the Industry

3 year instrument warranty
5 year Ultra Sonic Motor (USM) warranty



Powered with SurvCE / SurvPC



Carlson SurvCE and SurvPC are the first choice in data collection software, combining advanced functionality, ease-of-use, and sheer capability.

Carlson SurvCE is a complete data collection system for Real Time (RTK) GPS and Total Stations with in-field coordinate geometry. It supports the widest range of popular and new release RTK GPS and conventional/ robotic total stations.