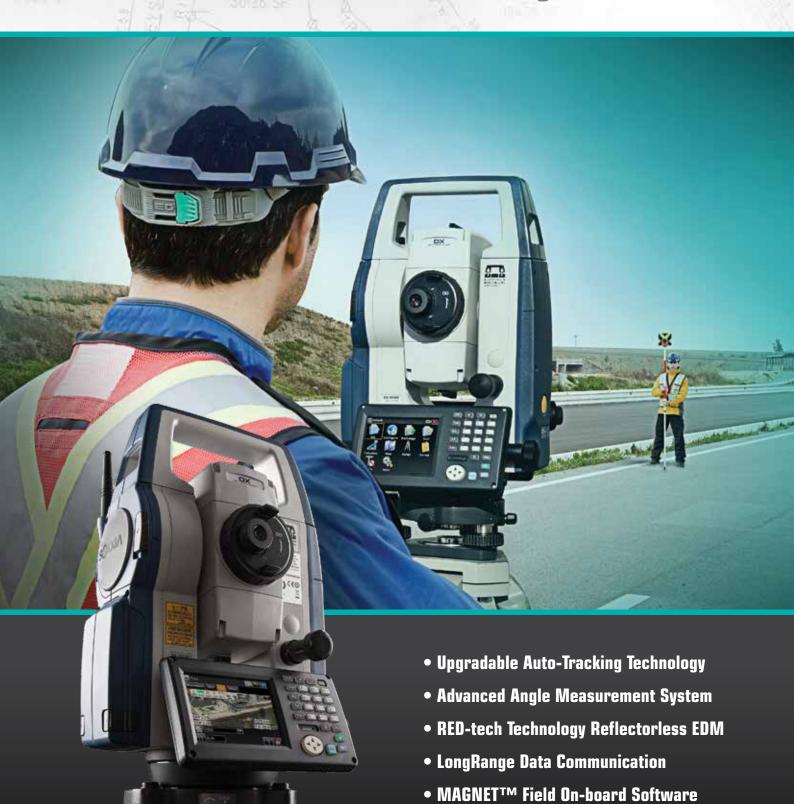
SOKKIA



Get the Job Done Quickly and Easily in any Environment.

New Auto Pointing "Direct Aiming Technology"

The DX Series employs "Direct Aiming Technology" featuring a new intelligent algorithm that automatically aims to the prisms with precisely corrected angle readings.

The technology works even in dim or dark conditions where the prism is difficult to be found. Whatever the job requires and wherever operators must go, the DX Series gets your job done faster and easier while still maintaining high accuracy.







Rough Aiming

Auto-Tracking Upgrade

Push the Trigger key

The DX Series, with Direct Aiming Technology, is faster than manually

DX Direct Aiming Technology with Optional

Auto Pointing

The D

LongRange Data Communication

The DX Series total stations feature Bluetooth® Class1 technology for reliable data communications.



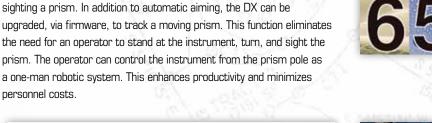
Advanced Angle Measurement System

Sokkia's original absolute encoders provide long-term reliability in any job site condition. DX-101 features groundbreaking IACS (Independent Angle Calibration System).



Waterproof and Rugged

- IP65 waterproof / dustproof rating.
- Standard usage temperature range -20°C to +50°C.





Easy Auto-Tracking Upgrade

The DX can easily be upgraded by purchasing the Auto-Tracking upgrade. Software can be installed when you purchase the DX or at a later time when you have a project that requires Auto-Tracking. The DX Series firmware can be upgraded to automatically track a prism. This USB upgrade process is simple and will enhance productivity.

RED-tech Technology Reflectorless EDM

- Reflectorless operation from 30cm to 1,000m*.
- Sokkia's traditional pinpoint precision in reflectorless distance measurement.
- Fast distance measurement of 0.9 seconds.
- Coaxial EDM beam and laser-pointer provide fast and accurate aiming.
- Ensures accuracy even with reflective sheets.
 - * With Kodak Gray Card white side (90% reflective). Brightness level at object surface: <=500 lx.

TSshield

An industry first! New function to protect your investment

TSshield is a standard feature on all new models of Sokkia total stations. Its advanced communication system provides new opportunities to secure and maintain your investment.

*For more detail of TSshield, please refer to the TSshield's brochure. This service may not be available in some areas.

Fast and Powerful EDM 1,000m Non-Prism Range **Industry's First TSshield™ System**

Easy Access USB Type A/B Flash Drive Port

Advanced Angle Measurement System

Rugged Waterproof/ Dustproof IP65 Design **Exclusive "STAR-KEY" Functionality**

Backlit 25 Key Keyboard with Directional Arrow Key

Easy "Topo" and "Stake-out" Operation

Just "Rough Aim" and "Press Trigger Button" to get precise aiming and measurement to the prism target. Stake-out can be done easily by automatic turning and guide lights.



Software

MAGNET™ software is tailored for use with Sokkia total stations in both field and office works.

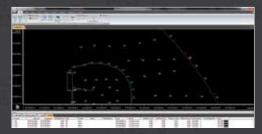
MAGNET™ Enterprise

A managers dream of tracking all field and office data in one simple to access web interface. Store and exchange your field data in the MAGNET Enterprise cloud. Save the drive time by sending your field and office updates to the cloud rather than driving back to the office.



MAGNET™ Office

Full CAD functionality with MAGNET Office Site and Topo. Or field data processing with MAGNET Office Tools inside AutoCAD® products, like Civil3D®. The MAGNET Office solution has what you need. Pick the module that fits your needs.



MAGNETTM Field

Powerful on-board software that covers full functions for surveying and engineering tasks. MAGNET Field handles data collection, stake out, roads and coordinate geometry.



SOKKIA

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DIRECT AIMING X-ELLENCE STATION

SPECIFICATIONS

DX-101AC	DX-103AC	DX-105AC
30x / 2.5"		
		5.7.55.75

Length: 168mm (6.6in.), Objective aperture: 45mm (1.8in.) (50mm (2.0in.) for EDM), Image: Erect, Field of view: 1°30' (26m/1.000m), Minimum focus: 1.3m (4.3ft.). Reticle illumination: 5 brightness levels

Angle measure	ment				
Display resolutions (selectable)		0.5" / 1" (0.0001 / 0.0002gon, 0.002 / 0.005mil)	1" / 5" (0.0002 / 0.0	1" / 5" (0.0002 / 0.001gon, 0.005 / 0.02mil)	
Accuracy (ISO 17123-3:2001)		1"	3"	5"	
IACS (Independent Angle Calibration System)		Provided		19.78 .	
Dual-axis compensator / Collimation compensation		Dual-axis liquid tilt sensor, working range: ±6' / Collimation compensation available			
Distance meas	ırement				
Laser output	2	Reflectorless mode: Class 3R / Prism/sheet mode: Class 1			
Measuring range	Reflectorless	0.3 to 800m (2,620ft) / Under good conditions: to 1,000m (3,280ft.)			
(under average conditions)	Reflective sheet	RS90N-K: 1.3 to 500m (4.3 to 1,640ft.), RS50N-K: 1.3 to 300m (4.3 to 980ft.), RS10N-K: 1.3 to 100m (4.3 to 320ft.)			
	Mini prisms	CPO1: 1.3 to 2,500m (8,200ft.), OR1PA: 1.3 to 500m (1,640ft.)			
	One AP prism	1.3 to 5,000m (4.3 to 16,400ft) / Under good conditions: 6,000m (16,680ft.)			
	Three AP prism	to 8,000m (26,240ft.) / Under good conditions: to 10,000m (32,800ft.)			
Display resolution	S. K. Gr.	Fine: 0.0001 / 0.001m (0.001 / 0.01ft., 1/16 / 1/8in.) Rapid: 0.001m / 0.01ft. / 1/8in. Tracking: 0.01m / 0.1ft. / 1/2in.			
Accuracy (ISO 17123-4:2001) (D=measuring distance in mm)	Reflectorless	(2 + 2ppm x D) mm			
	Reflective sheet	(2 + 2ppm x D) mm			
	AP/CP prism	(1.5 + 2ppm x D) mm			
Measuring time		Fine: 0.9s (initial 1.5s), Rapid: 0.6s (initial 1.3s), Tracking: 0.3s (initial 1.3s)			
Motor drive sys	stem				
Туре		DC servo motor			
Max rotation speed		70°/sec	10		
Auto Pointing a	nd Auto-Tracki	ng Upgrade			
Working range	One AP prism	1.3 to 1,000m	18-	70	
	Reflective sheet	5 to 50m			
	360° prism	2 to 600m			
	Mini prisms	CP01: 1.3 to 700m, OR1PA 1.3 to 500m			
Optional Auto- Tracking range	360° prism	2 to 600m (6.6 to 1,960	t.)	V (2)	
	Single prism	1.3 to 1,000m ((4.3 to 3,280 ft.)			



Microsoft Windows CE 6.0 / MAGNET™ Field

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Operating system / Application

- Product colors in this brochure may vary slightly from those of the actual products owing to limitations of the printing process

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