

FULLY WIRELESS

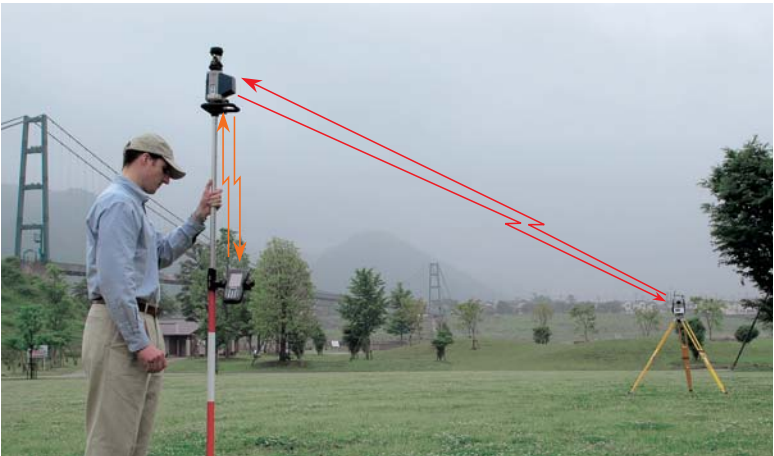


SRX

■ Completely Cable-Free



SRX and the RC-PR3 are 100% wireless. No more cables to untangle, trip over or forget. License-free long-range data communication is easily performed using Bluetooth® Class 1 wireless technology.



Data collectors may vary according to region.

■ RC-PR3 On-Demand Remote Control Unit

The lightweight RC-PR3 unit has been redesigned with external cables and separate components now combined into a single, compact system. RC-PR3 is equipped with both Bluetooth® Class 1 and Class 2, an industry first. A wide search beam is emitted from the beam emitter for more effective searches. Complete prism-side operation gives you the freedom to survey the way you want to.



SRX

Тахеометры

SRX1 · SRX2 · SRX3 · SRX5

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель		SRX1	SRX2	SRX3	SRX5
Измерение углов		Фотоэлектрическое считывание угла поворота с кодовых дисков, отсчеты берутся с диаметрально противоположных сторон дисков			
Цена деления отсчетов (выбирается)		0.5°/1°, 0.1/0.2mg, 0.002/0.005mil		1°/5°, 0.2/1mg, 0.005/0.02mil	
Точность (ISO17123-3)		1"/0.3mg/0.005mil		3"/1mg/0.015mil 5"/1.5mg/0.025mil	
Автоматический двухосевой компенсатор		Жидкостной двухосевой датчик наклона, рабочий диапазон: 4°, при превышении выдается сообщение на экране и звуковой сигнал			
Измерение расстояний		Модулированное лазерное излучение, фазовые измерения, красный лазерный диод			
Диапазон измерений*1 (наклонное расстояние)	Без отражателя*2 (на Kodak Gray Card)	от 0.3 до 500м (Белая сторона, отражение 90%)			
	На отражающую пленку RS90N-K	от 0.3 до 250м (Серая сторона, отражение 18%)			
	На призму ATP1	от 1.3 до 500м			
	На призму AP	от 1.3 до 1000м			
	На 1 призму AP	от 1.3 до 5000м, при хороших условиях*3: от 1.3 до 6000м			
Точность (ISO 17123-4) (D=измеряемое расстояние)	Без отражателя*2/*4 (Точный режим)	от 0.3 до 200м:	(3 + 2 × 10 ⁻⁶ × D)мм		
		от 200 до 350м:	(5 + 10 × 10 ⁻⁶ × D)мм		
		от 350 до 500м:	(10 + 10 × 10 ⁻⁶ × D)мм		
	Без отражателя*2/*4 (Быстрый режим)	от 0.3 до 200м:	(6 + 2 × 10 ⁻⁶ × D)мм		
		от 200 до 350м:	(8 + 10 × 10 ⁻⁶ × D)мм		
		от 350 до 500м:	(15 + 10 × 10 ⁻⁶ × D)мм		
	На призму	Точный: (1.5 + 2 × 10 ⁻⁶ × D)мм*5 Быстрый: (5 + 2 × 10 ⁻⁶ × D)мм			
	На отражающую пленку	Точный режим: (3 + 2 × 10 ⁻⁶ × D)мм, Быстрый режим: (6 + 2 × 10 ⁻⁶ × D)мм			
Слежение за целью*6		Импульсный лазерный передатчик и CCD-детектор с коаксиальным оптическим кабелем			
Диапазон	На призму ATP1	от 5 до 500м			
Автопоиск		Импульсный лазерный передатчик и CCD-детектор с коаксиальным оптическим кабелем			
Диапазон	На призму ATP1	от 2 до 600м			
	На призму APO1	от 2 до 1000м			

Модель	RC-PR3	
Op-Demand пульт дистанционного управления	Генератор излучения, модуль Bluetooth®, и магнитный компас. Рекомендуется использовать с призмой ATP1 360	
Диапазон*1 (наклонное расстояние между SRX и RC-PR3)	Ближний режим	от 2 до 100м*7, при хороших условиях*3: от 2 до 150м
	Дальний режим	от 2 до 250м*8, при хороших условиях*3: от 2 до 300м*2

Available SRX Configurations

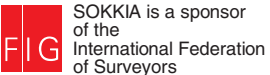
Угловая точность	Слежение за целью / Автопоиск	Ручка*
SRX1 (Угловая точность: 1")	Слежение за целью	RC-TS3
		H-BT1
	Автопоиск	RC-TS3
SRX2 (Угловая точность: 2")	Слежение за целью	H-BT1
		RC-TS3
	Автопоиск	H-BT1
SRX3 (Угловая точность: 3")	Слежение за целью	RC-TS3
		H-BT1
	Автопоиск	RC-TS3
SRX5 (Угловая точность: 5")	Слежение за целью	H-BT1
		RC-TS3
	Автопоиск	H-BT1

*H-BT1: Bluetooth Class 1; RC-TS3: Bluetooth Class 1 и модуль детектора RC



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*1 Средние условия: слабая дымка, видимость до 20 км, переменная облачность, слабое мерцание.
*2 Дальность и точность измерений в безотражательном режиме может изменяться в зависимости от типа измеряемого объекта, условий наблюдения и окружающей среды.
*3 Хорошие условия: дымка отсутствует, видимость до 40 км, облачно, отсутствие мерцания.
*4 По белой стороне Kodak Gray Card (отражающая способность 90%).
*5 На стеклянную призму высокой точности CPS12, более 4 м.
*6 доступно только в моделях с Автослежением.
*7 Когда расстояние по вертикали между SRX и приемником излучения RC-PR3 не более 20 м.
*8 Когда расстояние по вертикали между SRX и приемником излучения RC-PR3 не более 40 м.
Указанные характеристики могут быть изменены производителем без дополнительного уведомления.



STATE-OF-THE-ART TECHNOLOGY

■ RED-tech EX - Precise Distance Measurement over a Wide Range of Situations

RED-tech reflectorless EDMs are acclaimed for high-precision pinpoint accuracy and the flexibility to measure from distances as close as 30cm (1ft.). SRX features RED-tech EX, the latest in Sokkia's innovative reflectorless measurement technology. The technology to produce a signal that can perform measurement with even higher precision than RED-tech II has been developed, and the reflectorless measurement range has been further extended to 500m (1,640ft.) while maintaining the same high level of accuracy. Of course, the ability to measure from 30cm (1ft.) remains unchanged.

This high precision measurement technology has more intelligent signal processing, offering distance measurement with greater stability and less constraints. RED-tech EX performs fast, highly accurate measurement of building corners, through fences, and to prisms and reflective sheets.



RED-tech 30cm ↔ 150m

RED-tech II 30cm ↔ 350m

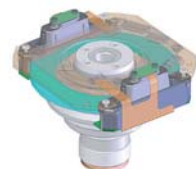
RED-tech EX 30cm ↔ 500m



■ Single Optimized Beam

RED-tech EX uses only one laser beam for measuring and pointing, meaning you measure exactly what you see. The laser beam diameter is automatically optimized according to the target, providing stability like you have never experienced before.

■ Enhanced Encoder with IACS Technology

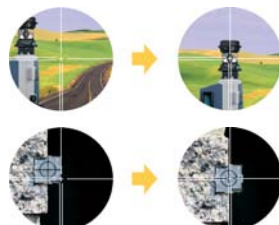


SRX features Sokkia's original absolute encoders with IACS (Independent Angle Calibration System) based on Sokkia's digital level RAB (Random Bi-directional) Code technology. Highly stable, dependable encoders have been further refined making unprecedented high angle measurement possible. SRX is available in 1", 2", 3" and 5" models.

■ New Targeting Sensor

A new targeting sensor utilizing high speed, high-resolution digital signal processing was developed especially for SRX. Accurate results with high repeatability are quickly obtained using both Auto-Tracking and Auto-Pointing modes. Select sighting accuracy and speed using "Rapid" and "Fine" mode options. Fine mode forces measurement to the center of the target achieving accurate results by avoiding measurement while shaking, a drawback to other tracking sighting systems.

Auto-Pointing can also be performed using reflective sheets.



USER-FRIENDLY DESIGN



Ergonomic Handle

The removable, ergonomically designed handle incorporates both Bluetooth® wireless technology and the RC detector in one sleek design.



Compact Telescope Unit

SRX features a compact high-performance telescope unit. Perform rough sighting easily even while wearing a hard hat.



Guide Light Unit

Sokkia's guide light unit assists in setting out measurements. It consists of two different color LEDs emitted from a single aperture and can be easily determined at both long and short ranges.

A special flashing pattern is also included to assist users with color weakness.



Environmental Protection

Featuring advanced protection against dust and water, SRX is able to withstand harsh environmental conditions. IP64 compliant.



Rechargeable Li-ion Battery

The battery box is located for easy-access to make battery replacement effortless. SRX comes with two rechargeable large capacity Li-ion batteries as standard.



Jog Dials/Trigger Key

Jog dials have a comfortable finger fit and change instrument rotation speed according to how fast the dials are turned. A handy trigger key lets you take a measurement without taking your eye from the telescope.

The jog dials include additional customizable settings for individual applications.



Color Display/ Illuminated Keyboard

SRX features a color LCD touch panel display. The display has high angle visibility and subtle contrast for maximum visibility. The full alphanumeric keyboard has concave keys that can be easily pressed by hand or with the stylus and is illuminated to let you see what you are doing under any environmental condition.

MULTIPLE DATA INTERFACES



CompactFlash Card Slot

Support for Type II cards up to 1GB. CompactFlash card style communication cards are also supported.



USB Port

For seamless data exchange. 1GB FAT32 format USB is supported. A USB card reader can be used to further broaden useable media possibilities.



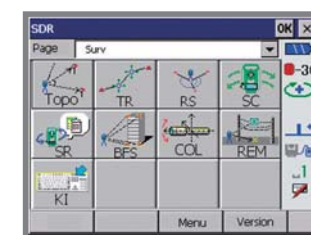
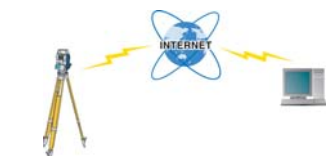
Waterproof Multi Port

Data transmission and external power connection are available in a single waterproof port. The port boasts an environmental rating of IP64 with data and battery cables connected – an industry first!



SFX

SRX also includes Sokkia's original SFX technology for long-range data transfer via the Internet. With SFX you can enjoy instantaneous data transfer from any worksite directly to the office.



Windows CE-based Operability

A Windows CE-based SDR operating system provides superior operability. An easy to use intuitive graphic interface and color LCD touch panel display save you time on the job. SRX features the fully integrated SDR software suite "Expert".

Customizable to fit your individual needs

SRX is available in auto-pointing and full robotic configurations. In addition, SRX can be upgraded, giving you the freedom to create the ideal solution to fit your individual surveying needs.

■ Auto-Pointing Model Auto-Pointing ⑥ Auto-Tracking

Auto-Pointing

Point SRX roughly toward the target, press a button, and SRX takes care of the rest.

Auto-Tracking

SRX continuously tracks the prism, updating distance and angle values in real-time. Measurement can be taken at any time with a simple press of a button.

■ Selectable Handle for On-Demand Remote Control Compatibility No RC Detector Unit ⑥ RC Detector Unit

No RC Detector Unit

H-BT1 Handle with Bluetooth Class 1

RC Detector Unit

RC-TS3 Handle with Bluetooth Class 1 + RC Detector Unit

■ Control Panel Additional control panel on face 2

Please consult your local Sokkia representative about product configurations.

Standard accessories

BDC58 rechargeable Li-ion battery (2 pcs.) • CDC68 quick charger with EDC113A/EDC113B/EDC113C power cable • CP9 Tubular compass • Lens cap • Lens hood • Plumb bob • Tool kit • Wiping cloth • Vinyl cover • CD-ROM* • Stylus (2 pcs.) • Operator's manual • Quick manual • Laser caution sign board (Class 3R) • Carrying Case and shoulder strap.

* CD-ROM includes SDR Software Reference Manual, SFX Dialup Program Explanations, and Quick Manual.

Optional Accessories

Please refer to the separate "Equipment List" for detailed information about options.