

Product Type	Auto-Pointing Model				Auto-Tracking Model			
	SX-101P	SX-102P	SX-103P	SX-105P	SX-101T	SX-102T	SX-103T	SX-105T
Model								
Auto-Tracking / Auto-Pointing								
Auto-Tracking	-	-	-	-	●	●	●	●
Auto-Pointing	●	●	●	●	●	●	●	●
Rotation speed / Auto Tracking speed	85°/sec (at 20°C) / 20°/sec							
Operating range	ATP1/ATP1S 360° Prism: 2m to 600m (6.6 to 1,969ft.), CP01 mini prism: 1.3 to 700m (4.3 to 2,297ft.), OR1PA mini prism: 1.3 to 500m (4.3 to 1,640ft.), AP prism: 1.3m to 1,000m (4.3 to 3,281ft.)							
Angle Measurement	Rotary absolute encoder scanning.							
Minimum Reading	0.5"/1"		1"/5"		0.5"/1"		1"/5"	
Angle Measurement	1"	2"	3"	5"	1"	2"	3"	5"
Tilt Compensation	Dual Axis, Compensation Range: ±6'							
Distance Measurement	Rotary absolute encoder scanning.							
Prism	Measuring Range: ATP1/ATP1S 360° Prism: 1.3m to 1,000m (4.3 to 3,281ft.), CP01 mini prism: 1.3 to 2,500m (4.3 to 8,200ft.), OR1PA mini prism: 1.3 to 500m (4.3 to 1,640ft.), AP prism: 1.3m to 6,000m (4.3 to 19,685ft.) under good conditions*1							
Accuracy	±(1.5mm + 2ppm x D)mm (D=measuring distance in mm)							
Reflective sheet target	Measuring Range*3: 1.3m to 500m (4.3 to 1,640ft.) with RS90N-K reflecting sheet							
Accuracy*3	±(2mm + 2ppm x D)mm							
Reflectorless	Measuring Range*2: 0.3m to 1,000m (1 to 3,281ft.) under good conditions*1							
Accuracy*2	±(2mm + 2ppm x D)mm							
Interface and Data management								
Operating System / Processor	Windows® Embedded CE.6.0							
Display	3.5 inch / Transmissive TFT QVGA color LCD							
Memory	500MB internal memory, USB flash memory (up to 8GB)							
Interface	USB2.0 (Type A/mini B) / RS-232C							
Wireless Communication								
Bluetooth® Class 1,	Communication range: 600m (1,969ft.)*4							
General								
Dust/Water Protection	IP65 (IEC 60529:2001)							
Operating Temperature	-20°C to +50°C							
Laser Pointer	Coaxial red laser pointer using EDM measuring beam, Class 3R laser							
Guide light	Green and Red LED, Working range: 1.3m to 150m (4.3 to 492ft.)							
Size	W230 x D207 x H393mm (W9.1 x D8.2 x H15.5in.)							
Weight	Approx. 6.9kg (15.2 lb.)							
Power Supply								
BDC70 standard battery	7.2V, 5.2Ah							
Operating time	Approx. 4 hours*5							
Signal source / Laser output	Red laser diode (690nm) / Reflectorless mode: Class 3R, Prism / Sheet mode: Class 1 equivalent							

RC-PR5 Remote Control System (Optional of Auto-Collimating Model)	
Operating range (slope distance)	Far mode: 2m to 300m (6.6 to 984ft.) / Standard mode: 2m to 100m (6.6 to 328ft.)
Measuring time	15 sec

*1 Condition 1: No haze with visibility about 40km, overcast with no heat shimmer.
 *2 Fine mode. With Kodak Gray Card White Side (90% reflective). When brightness on measured surface is 30,000 lx. or less. Reflectorless range/accuracy may vary according to measuring objects, observation situations and environmental conditions.
 *3 When the measuring beam's incidence angle is within 30° in relation to the reflective sheet target.
 *4 Wireless communication range may vary depending on obstruction and other environmental conditions.
 *5 In continuous face-1 and face-2 observations by using Auto-Collimating.

Standard Accessories

- SX main unit ●Battery (BDC70)
- Battery charger (CDC68)
- Power Cable ●Lens cap ●Lens hood
- Tool pouch ●Screwdriver
- Lens brush ●Adjusting pin x2
- Cleaning cloth ●Operation manual
- USB memory ●Laser caution sign-board
- Carrying case ●Carrying strap



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 Superior X-ellence Station

Automatic Precision

- Superior Auto-Pointing Technology
- Advanced Angle Measurement System
- RED-tech Technology Reflectorless EDM
- LongRange Data Communication
- Waterproof, Rugged, and User Friendly Operation
- MAGNET™ Field On-Board Application Software

