

| 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 | Windows® Embedded CE.6.0 | | | | | | | |
| 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 | | | | | | | |
| Operating time | 7.2V, 5.2Ah | | | | | | | |
| Signal source / Laser output | Approx. 4 hours*5 | | | | | | | |
| | 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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- RED-tech Technology Reflectorless EDM
- LongRange Data Communication
- Waterproof, Rugged, and User Friendly Operation
- MAGNET™ Field On-Board Application Software

