OS





## **Standard Package Components**

- OS main unit
- Battery (BDC72)
- Battery charger (CDC77)
- Power Cable
- Lens cap
- Lens hood
- Tool pouch Precision screwdriver
- Lens brush
- Adjusting pin×2
- Silicon cloth Quick manual
- USB flash drive(Manual)
- Laser caution sign-board
- Carrying case
- Carrying strap

TOPO	CON

		OS-201	OS-202
Telescope			
Magnification / Resolving power	r	30x	/ 2.5"
Others		Length: 171mm (6.7in.), Objectiv	e aperture: 45mm (1.8in.) (48mm
		(1.9in.) for EDM), Image: Erect, Field of view: 1°30' (26m/1,000m),	
		Minimum focus: 1.3m (4.3ft.), Reticle illumination: 5 brightness levels	
Angle measurement		( , , ,	0
Display resolution		0.5" / 1" (0.0001 / 0.00	02gon, 0.002 / 0.005mil)
Accuracy (ISO 17123-3:2001)		1"	2"
Dual-axis compensator / Collimation compensation		Dual-axis liquid tilt sensor, working range: ±6' (±111mgon) /	
		Collimation compensation available	
Distance measurement			
Laser output*1		Reflectorless mode: Class 31	R / Prism/sheet mode: Class 1
Measuring range	Reflectorless*3	0.3 to 800m (2,620ft.) / Under good conditions*6 : 1,000m (3,280ft.)	
(under average conditions*2)	Reflective sheet*4*5	RS90N-K: 1.3 ~ 500m, RS50N-K: 1.3 ~ 300m, RS10N-K: 1.3 ~ 100m	
()	Mini prism	1.3 to 500m (1,640ft.)	
	One prism	1.3 to 5,000m (4.3 to 16,400ft.) / Under good conditions *6: 1.3 to 6,000m (19,680ft.	
Display resolution	Fine/Rapid measurement	0.0001m(0.001ft. / 1/16in.) / 0.001m (0.005ft. / 1/8in.) (selectable)	
Display resolution	Tracking/Road measurement	0.001m (0.005ft. / 1/8in.) / 0.01m (0.065t. / 1/2in.) (selectable)	
Accuracy*2	Reflectorless*3	(2 + 2ppm x D) mm*7	
(ISO 17123-4:2001)	Reflective sheet*4	(2 + 2ppm x D) mm	
(D=measuring distance in mm)		(1.5 + 2ppm x D) mm	
Measuring time *8	1113111	Fine: 0.9s (initial 1.5s), Rapid: 0.6s (initial 1.3s), Tracking: 0.4s (initial 1.3s)	
OS, Interface and Data manage	mont	Fille. 0.95 (Illitial 1.55), Rapid. 0.65 (I	IIIIIdi 1.55), IIdCKIIIg. U.45 (IIIIIIdi 1.55)
Os, interface and Data manage Operating system	IIIEIIL	Windows Embe	added Compact7
1 0 /		Windows Embedded Compact7  3.5inch, Transmissive TFT QVGA color LCD with LED backlight,	
Display / Keyboard		, , , , , , , , , , , , , , , , , , , ,	
*0		Touch screen, Automatic brightness control / 29 keys with backlight	
Control panel location *9		On both faces (Face 2 is only touch screen display )	
Trigger key		On right instrument support	
Data storage	Internal memory	1GB internal memory (includes memory for program files)	
	Plug-in memory device	USB flash memory	
Interface	*0	Serial RS-232C, USB2.0 (Type A / mini B)  Bluetooth Class 1, Operating range: up to 10m *10	
Bluetooth modem (Factory Op	tion) 3	Bluetooth Class 1, Oper	ating range: up to 10m 10
General			15 1155 (115
Guide light *11		Green LED (524nm) and Red LED (626nm),	
		Operating range: 1.3 to 150m (4.3 to 490ft.)*2	
Laser-pointer *11		Coaxial red laser using EDM beam	
Calendar / clock function		l .	'es
Levels	Graphic	6'(inner circle)	
	Circular level	10' / 2mm	
Optical plummet			0.3m (11.8in.) from tribrach bottom
Laser plummet (option)		Red laser diode (635nm±10nm), Beam accuracy: <=1.0mm@1.3m, Class 2 laser produc	
Tribrach		Detachable	
Dust and water protection		IP65 (IEC 60529:2001)	
Operating temperature*11		-20 to 60°C (-4 to 140°F)	
Size (with handle)		191(W)x190(D)x348(H)mm	
Instrument height		192.5mm from tribrach mounting surface	
		236mm +5/-3mm	from tibrach bottom
Weight with battery & tribrach		Approx. 5.7	rkg (12.3 lb.)
Power supply			
Battery	BDC72	Li-ion rechar	geable battery

SPECIFICATIONS

- \*1 IEC60825-1:Ed.2.0:2007 / FDA CDRH 21 CFR Part 1040.10 and 11
- \*2 Average conditions: Slight haze, visibility about 20km (12 miles), sunny periods, weak scintillation.
- \*3 Fine mode. With Kodak Gray Card White Side (90% reflective). When brightness on measured surface is 30,000 k. or less. Reflectorless range/accuracy may vary according to
- \*4 When the measuring beam's incidence angle is within 30° in relation to the reflective sheet target.
- \*5 Measuring range in temperatures of -30 to -20°C (-22 to -4°F) with Low Temperature models and 50 to 60°C (122 to 140°F) with High Temperature models: RS90N-K: 1.3 to 300m (4.3 to 980ft.), RS50N-K: 1.3 to 180m (4.3 to 590ft.), RS10N-K: 1.3 to 60m (4.3 to 190ft.)
- \*6 Good conditions: No haze, visibility about 40km (25 miles), overcast, no scintillation.
- \*7 Measuring range:0.3 to 200m
- \*8 Typical, under good conditions. Reflectorless measurement time may vary according to measuring objects, observation situations and environmental conditions.
- \*9 Usage approval of Bluetooth wireless technology varies according to country. Please consult your local oce or representative in advance.
- \*10 No obstacles, few vehicles or sources of radio emissions/interference in the near vicinity of the instrument, no rain.
- \*11 The laser-pointer and the guide light do not work simultaneously.
- \*12 Low Temperature models:-30 to 50 °C (-22 to 122°F) is available on built-to-order basis

  - Specifications may vary by region and are subject to change without notice.
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**TOPCON CORPORATION** 75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan www.topcon.co.jp

**TOPCON** 

#### <Contact to>

### Topcon Positioning Asia (Thailand) Co., Ltd.

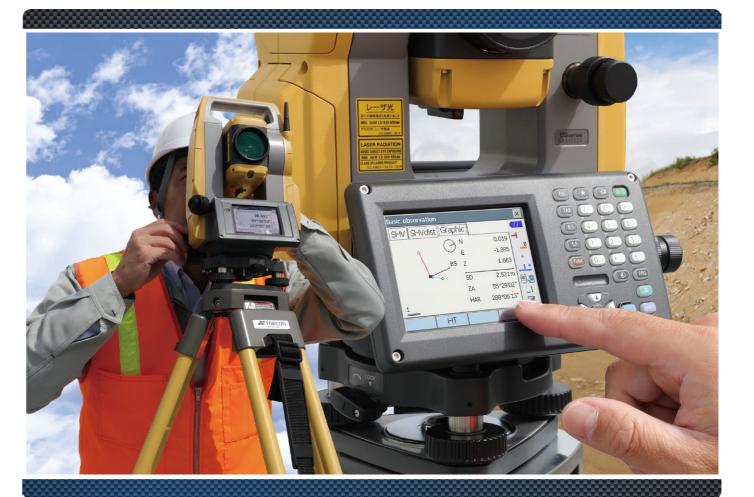
77/164 Sinnsathorn Tower, 37th Floor, Krungdhonburi Rd., Klongtonsai, Klongsarn, Bangkok 10600, Thailand Phone: +66-2- 440-0721/0722 Fax: +66-2- 440-0723

## **Your local Authorized Dealer is:**





# OS-200 series









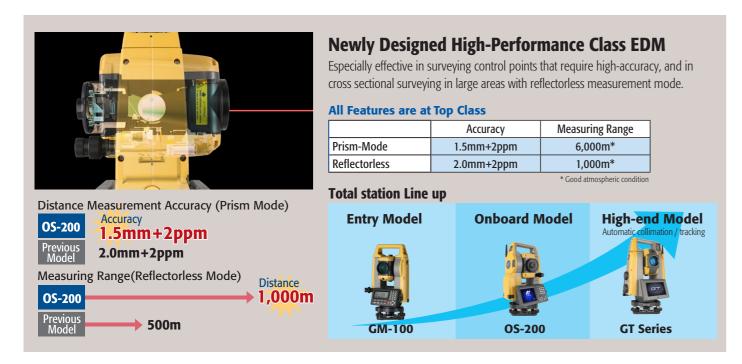
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## **Guide Light System**

Anybody can move to Stake Out Line easily. Green and Red colored lights will show you the direction to move.





## **Target Key & Screw System**

By using tangent screws for sighting, you can measure a distance with a single-button click. Work efficiently and increases productivity for sighting task such as Stake Out, Topography, and Elevation Stakes.