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

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OS

		OS-201	OS-202
Telescope			
Magnification / Resolving power	er	30x /	/ 2.5"
Others		Length: 171mm (6.7in.), Objective	e aperture: 45mm (1.8in.) (48mm
Guers		(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		William Iocus. 1.5m (4.5m.), Neti	cie ilidifiliadori. 5 Drightness levels
Display resolution		0.5" / 1" (0.0001 / 0.000	02gon 0.002 / 0.005mil)
Accuracy (ISO 17123-3:2001)		1")
Dual-axis compensator / Collimation compensation		Dual-axis liquid tilt sensor, working range: ±6' (±111mgon) /	
		Collimation compensation available	
Distance measurement		Collination comp	erisation available
Laser output*1		Poflactariass made: Class 7D	/ Driem/shoot mode: Class 1
	Doffe starless*3	Reflectorless mode: Class 3R / 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)	
	Tracking/Road measurement	0.001m (0.005ft. / 1/8in.) / 0.01m (0.1ft. / 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)	Prism	(1.5 + 2ppm x D) mm	
Measuring time *8		Fine: 0.9s (initial 1.5s), Rapid: 0.6s (initial 1.3s), Tracking: 0.4s (initial 1.3s)	
OS, Interface and Data manage	ment		
Operating system		Windows Embedded Compact7	
Display / Keyboard		3.5inch, Transmissive TFT QVGA color LCD with LED backlight,	
		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		Serial RS-232C, USB2.0 (Type A / mini B)	
Bluetooth modem (Factory Option) *9		Bluetooth Class 1, Operating range: up to 10m *10	
General	,	2.2000000 0.000 1, 0 p 0.00	
Guide light *11		Green LFD (524nm) a	and Red LED (626nm),
Calde 116.11		Operating range: 1.3 to 150m (4.3 to 490ft.)*2	
Laser-pointer *11		Coaxial red laser using EDM beam	
Calendar / clock function		Yes	
Levels	Graphic	6'(inner circle)	
LCVCIS	Circular level		2mm
Ontical plummet	Circular level		
Optical plummet		Magnification: 3x, Minimum focus: 0.3m (11.8in.) from tribrach bottom Red laser diode (635nm±10nm), Beam accuracy: <=1.0mm@1.3m, Class 2 laser produc	
Laser plummet (option)		Detachable	
Tribrach			
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			ach mounting surface
		236mm +5/-3mm from tibrach bottom	
Weight with battery & tribrach		Approx. 5.7	kg (12.3 lb.)
Power supply			
Battery BDC72		Li-ion rechargeable battery	
Operating time (20°C)	BDC72	Approx. 20hours (single distance	massurament avaru 70 sasanda)

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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Your Local Authorized Dealer is:

TOPCON CORPORATION 75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan www.topcon.co.ip

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<Contact to>

Topcon Singapore Positioning Pte. Ltd.

1 Jalan Kilang Timor, #09-01 Pacific Tech Centre, Singapore 159303 Phone: (+65)6778-3456 Fax: (+65)6773-6550 Email: svy.regional@topcon.com.sg Web: www.topcon.com.sg

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OS-200 series









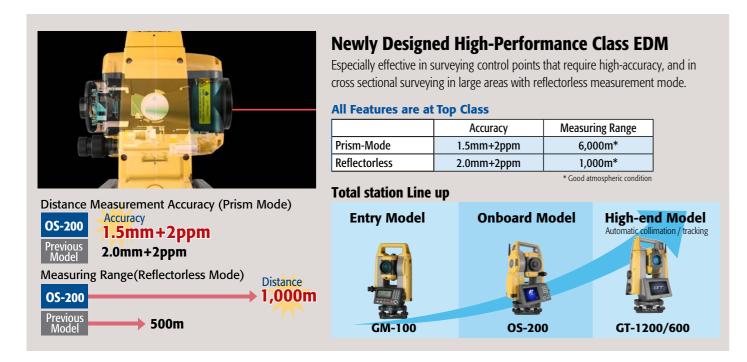
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Guide Light System

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 singlebutton click. Work efficiently and increases productivity for sighting task such as Stake Out, Topography, and Elevation Stakes.