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

-	TO	P	CO	Λ	

		OS-201	OS-202		
Telescope					
Magnification / Resolving power		30x / 2.5"			
Others		Length: 171mm (6.7in.), Objective 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					
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, wo	orking range: ±6' (±111mgon) /		
		Collimation compensation available			
Distance measurement					
Laser output*1		Reflectorless mode: Class 3F	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)			
	Tracking/Road measurement	0.001m (0.005ft. / 1/8in.) / 0.01m (0.1ft. / 1/2in.) (selectable)			
Accuracy*2	Reflectorless*3		1 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 managen	nent	c. 0.55 (a. 1.55)/ 1.ap.a. 0.05 (
Operating system		Windows Embe	dded Compact7		
Display / Keyboard			A color LCD with LED backlight,		
		,	ess control / 29 keys with backlight		
Control panel location *9		On both faces (Face 2 is only touch screen display)			
Trigger key		ì	ument support		
Data storage	Internal memory	1GB internal memory (includes memory for program files)			
2 414 5101460	Plug-in memory device	USB flash memory			
Interface			Serial RS-232C, USB2.0 (Type A / mini B)		
Bluetooth modem (Factory Opti	on) *9	Bluetooth Class 1, Operating range: up to 10m *10			
General		, , , , , , , , , , , , , , , , , , , ,	0 0 0 0		
Guide light *11		Green LED (524nm) a	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		Yes			
Levels	Graphic	6'(inne	er circle)		
	Circular level	10' / 2mm			
Optical plummet		Magnification: 3x, Minimum focus:	0.3m (11.8in.) from tribrach bottom		
Laser plummet (option)		Red laser diode (635nm±10nm), Beam accuracy: <=1.0mm@1.3m, Class 2 laser produ			
Tribrach			chable		
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			
ŭ			from tibrach bottom		
Weight with battery & tribrach		Approx. 5.7kg (12.3 lb.)			
Power supply		1 145,000.00			
· · · · · · · · · · · · · · · · · · ·					
Battery	BDC72		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.
 - Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Topcon is under license.
 - Other trademarks and trade names are those of their respective owners.

Your Local Authorized Dealer is:





OS-200 series









For professionals like you

- High performance EDM for rapid, repeatable measurements
- Modern, intuitive onboard MAGNET[®] Field software
- Convenient EDM trigger key
- Reflectorless laser measurement

TOPCON

TOPCON CORPORATION

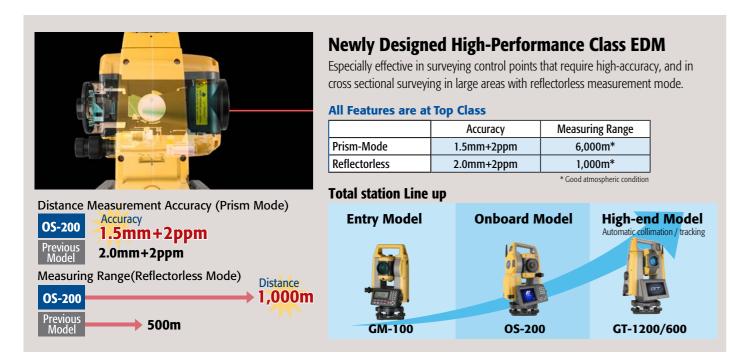
75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan Phone: (+81)3-3558-2993 Fax: (+81)3-3960-4214

www.topcon.co.jp

Professional results from basic to advanced applications



Improve topography and stake out with features to achieve faster and more efficient workflows





Discover MAGNET Field features and benefits.

- Intuitive user interface
- Advanced roading tool set
- Vast library of Import / Export file formats
- Calculate, contour, and compare surfaces
- Surface staking with automatic Digital Terrain Model creation
- Colorized cut and fill indicators, as well as volume calculations
- Direct connectivity to your private Company Account for easy data exchange and quick chat
- Microsoft Bing Maps[®] for real-time images behind your points, lines, and imported design files



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.