

GM-60 series



Standard Package Components

- Main unit • Battery (BDC71)
- Battery charger (CDC77)
- Power Cable • Lens cap • Lens hood
- Tool pouch • Precision screwdriver
- Lens brush • Hexagonal wrench
- Silicon cloth • Quick Manual
- Laser caution sign-board
- Carrying case • Carrying strap
- Export restrictions card



GM-62 Both sides panel type
GM-65 One side panel type

CoordyNavi
Minimum Smartphone Requirements

CPU	Octa-core 2.0 GHz or higher
RAM	4 GB or more
Display	720 × 1600 or higher
OS	Android 12 or later

SPECIFICATIONS		
Model		
Telescope	GM-62GM-65	
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		
Minimum display	1"/5" (0.0002 / 0.001gon, 0.005 / 0.02mil)	
Accuracy (ISO 17123-3:2001)	2"5"	
Detecting	2 sides1 side	
Dual-axis compensator	Dual-axis liquid tilt sensor, working range: ±6'	
Collimation compensation	On/Off (selectable)	
Distance measurement		
Laser output ^{*1}	Reflectorless mode : Class 3R / Prism/Sheet mode : Class 1	
Measuring range (under average conditions ^{*2})	Reflectorless ^{*3}	Reflective sheet ^{*4,*5}
		Mini pole prism Prism-5
		Standard prism Prism-2
Minimum display	Fine / Rapid : 0.0001m (0.001ft. / 1/16 in.) / 0.001m (0.005ft. / 1/8 in.) (selectable) Tracking / Road : 0.001m (0.005ft. / 1/8 in.) / 0.01m (0.02ft. / 1/2 in.) (selectable)	
Accuracy ^{*2} (ISO 17123-4:2001) (D=measuring distance in mm)	Reflectorless ^{*3}	Reflective sheet ^{*4,*5,*7}
		Prism ^{*8}
Measuring time ^{*9}	Fine	Rapid
		Tracking
OS, Interface and Data management		
Operating system	Linux	
Display / Keyboard	Graphic LCD, 192 x 80 dots, backlight : on/off (Selectable) / Alphanumeric keyboard / 28 keys with backlight	
Operation panel	On both sidesOn one side	
Data storage	Internal memory	External memory
Interface	Bluetooth modem (option) ^{*10}	
General		
Laser-pointer	Coaxial red laser using EDM beam	
Levels	Graphic	Circular level (on tribrach)
Plummet	Optical	Laser (option)
Dust and water protection / Operating temperature	IP66 (IEC 60529:2001) / -20 to +60°C (-4 to +140°F)	
Size with handle	200(W)x 181(D)x 348(H) mm (Display on both sides)	200(W)x 176(D)x 348(H) mm (Display on one side)
Instrument height	192.5mm from tribrach mounting surface	
Weight with battery & tribrach	5.3 kg (11.7 lb)	5.1 kg (11.3 lb)
Power supply		
Battery	Li-ion rechargeable battery BDC71	
Operating time (20°C) ^{*12}	Approx. 14hours ^{*13}	
Application program		
On board	• REM Measurement • 3D Coordinate Measurement • Resection • Stake Out • Topography Observation • Offset Measurement • Missing Line Measurement • Intersection • Surface Area Calculation • Route Surveying • Point to Line	

*1 IEC60825-1:Ed.3.0:2014/ FDA CDRH 21CFR Part1040.10 AND1040.11 *2 Average conditions: Slight haze, visibility about 20km (12 miles), sunny periods, weak scintillation. *3 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. *4 When the measuring beam's incidence angle is within 30° in relation to the reflective sheet target. *5 Measuring range in temperatures of 50 to 60°C (122 to 140°F): 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 Measuring range:0.3 to 200m *7 Figures when the laser beam strikes within 30° of the reflective sheet RS10N-K. When using other reflective sheet targets, face them directly toward the instrument and measure in both Faces 1 and 2 (direct and reverse). *8 Face the prism toward the instrument during the measurement with the distance at 10 m or less. *9 Good conditions: No haze, visibility about 40km (25miles), overcast, no scintillation. *10 Usage approval of Bluetooth wireless technology varies according to country. Please consult your local office or representative in advance. *11 No obstacles, few vehicles or sources of radio emissions/interference in the near vicinity of the instrument, no rain. *12 Figures will change depending on the operating environment including temperatures and observation conditions. *13 In use of EDM eco mode.

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GM-60/CoordyNavi



GM-60/ CoordyNavi
Geodetic Measurement Station / Smart Stakeout App



Boost Your Team with Powerful Tools.

- Made-in-Japan Quality
- Fast and Powerful Reflectorless EDM
- Built-in Bluetooth®
- Accelerate Stakeout with an All-in-One App
- Easy-to-Learn. Easy-to-Operate. And Faster Results
- Rodman also works with this app without additional cost



TOPCON CORPORATION

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

<Contact to>

TOPCON POSITIONING ASIA (MALAYSIA) SDN. BHD
Registration No. 201901043929 (1353259-V)
11a, Jalan TP 7, Taman Perindustrian Sime UEP,
47600 Subang Jaya, Selangor, Malaysia
Email: mys_survey_sales@topcon.com
https://www.topconpositioning.asia/sa/en

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Manual Total Station meets Smart App for Stakeout. Faster, Easier, Smarter!

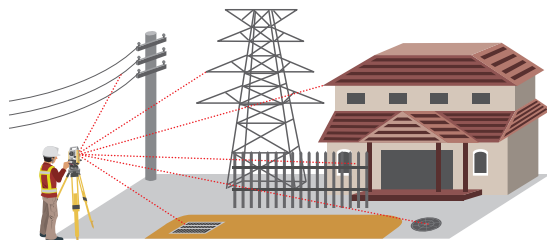
Fast and Powerful Reflectorless EDM
High-speed Ranging and Close-Range Measurements

Built-in Bluetooth®
Integrates with the Mobile App

Made in Japan
Japan Quality Products

Geodetic Measurement Station
GM-60 series

Japanese Quality Ensures Accurate and Reliable Surveying.



The ultra-narrow EDM beam can precisely measure walls, corners, manholes on road surfaces, even chain-link fences and tree branches.



Easy, Reliable Stakeout with Your Smartphone

Stakeout points, map and your position in one view to prevent errors

Same project map for Operator and Rodman — less movement, less time

Smart Stakeout App



CoordyNavi



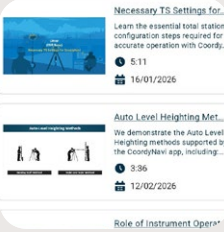
Easy to Learn. Easy to Use.
A simple interface and workflow empower anyone start quickly and be ready to work from Day One.

Digitally operate Total Station and Auto Level data directly on your smartphone.
A new way of working that transforms stakeout for every surveyor.



Visual Stakeout Navigation

CoordyNavi shows stakeout points and your position, for quick movement to the next point. Point color changes based on work status help reduce rework and save time on site. If a control point is lost, you can immediately set up a replacement so work can continue without delays.



Built-in Video Guidance

Built-in video guides provide clear, visual step-by-step instructions. Access them anytime to work with confidence without interrupting field operations.



Automatic Work Records—Ready as a Report!

CoordyNavi automatically records stakeout progress, results, and control points changes to create a ready-to-use report - there is NO paperwork!



Combined Total Station and Level Data—One App, One Workflow!

Enter the auto level reading to display the difference from the design height for accurate marking. By combining total station and level data in one app, automatic calculations prevent height setting and marking errors.

