Manual Total Stations

GM-100 Series



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Topcon GM-100 total stations – advanced design with superior technology

The GM-100 series delivers the latest technological advantages, all in a small, sleek design – you'll appreciate the benefits from the very first measurement.

Featuring a best-in-class EDM unit, the GM-100 can measure up to 6,000 m 1.5 mm + 2 ppm to standard prisms, and up to 1,000 m at an incredible 2 mm + 2 ppm accuracy in reflectorless mode.

Capture measurements faster than ever, and with a beam width of 13 mm (over 30 m), the bright red laser dot pinpoints features with ease.

Rugged and Powerful

The GM-100's rugged IP66 rated waterproof and dustproof magnesium-alloy housing encases this exceptional EDM, advanced angle encoder system, and a lithium ion battery that provides a 28-hour power supply to help complete your projects on schedule.

Fast and powerful EDM

Easy access USB memory with 32 GB storage

Advanced angle accuracy

Long battery life – 28 hours (Eco mode)

Rugged, waterproof design





1. 1,000 m non-prism range
2. Unique IACS angle encoder system (1” and 2”)
3. Highly visible green and red LED guidelights
4. Quick and easy-to-use trigger button
5. Laser plummet
6. Easy access, environmentally protected USB 2.0 slot
7. Tangent lock – securely holds your angle in place
8. Dual, graphic, backlit LCD display and keyboard *(second display is optional)*
9. Electronic leveling system
10. Exclusive “STAR-KEY” functionality
11. Side mount extra long-life battery

On-board TopBasic Program

Run on-board basic layout and topo programs with the GM series. Store up to 50,000 points. Use the convenient USB transfer method to move data on and off the instrument.







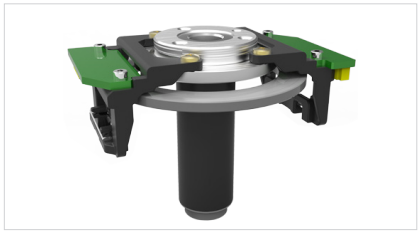
Ultra-powerful, advanced EDM

- 1,000 m non-prism range
- 6,000 m prism range



Easy access USB 2.0 memory

- Up to 32 GB storage
- Protected from the environments
- Compatible with industry standard thumb drives



Advanced angle encoder system

- Impressive 1” angle accuracy
- Incorporates exclusive IACS on 1” and 2” models (Independent Angle Calibration System)



Rugged, waterproof design

- Waterproof/dustproof IP66 design handles the toughest environments
- Magnesium-alloy housing providing stable angle accuracy
- Graphic display and alphanumeric keyboard (standard)

TOPCON

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