

**GTS-100N
Series**



CONSTRUCTION TOTAL STATIONS

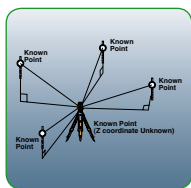


High value, Low cost Construction Total Station

- Rugged, durable and waterproof design
- Integrated on board software
- 24,000 point data storage
- Ideal construction stake-out total station

It's time.

Topcon's GTS-100N is ready for your next job.



Onboard Software

The GTS-100N Series come with onboard software as standard. Powerful and functional enough to enable setting out and surveying for all of your site tasks. Internal memory storage capacity of up to 24,000 points!



Expanded full numeric keypad

The GTS-100N provides an expanded numeric keypad for simple and assured input of points and layout information, including calculations. Backlit LCD and user definable display parameters included as standard.

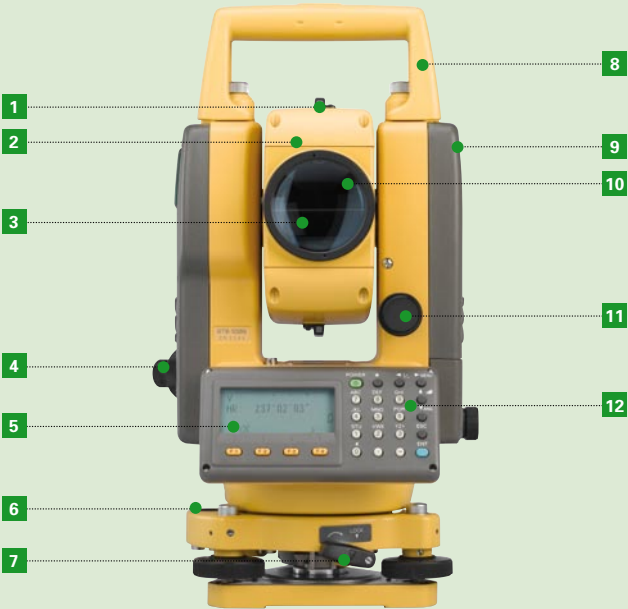


Jobsite tough

The GTS-100N provides Topcon's exacting standards for accuracy and advanced technology in a light, compact package that is built specifically for the rigors of an active jobsite. With environment proofing to IP54, it's ready to work when you need it and not only when environmental conditions are perfect!

The GTS-100N Series: Topcon's economical positioning solution in a rugged, durable and waterproof package.

Packed with features, the GTS-100N includes the following:



- 1** Quick sight
- 2** Internal memory accepts up to 24,000 points
- 3** Up to 2000m range to a single prism
- 4** Optical plummet for precise setup over existing points
- 5** Backlit, high-contrast LCD display
- 6** Quick-glance level vial
- 7** Integrated tribrach with quick-lock feature
- 8** Integrated, removable handle
- 9** Long battery life – up to 40 hours for angle measurement only
- 10** 30x magnification and short 1.3 m focusing distance
- 11** Fine angle adjustment and angle-lock feature
- 12** Expanded full numeric keyboard – on both sides of instrument

Compatible with Topcon Field Controllers

FC-250 - Topcon's latest 806 MHz Intel Xscale processor, Windows CE Mobile 6.5 based, Bluetooth wireless technology Field Controller

- 1 GB storage memory
- 806 MHz Intel XScale Processor
- SD and CF card slots
- USB type A and B
- Internal Bluetooth® technology
- Removable, Rechargeable Lithium-Ion camcorder battery
- Integrated 802.11b/g WiFi connectivity

GTS-100N package includes:

- Instrument
- Battery and charger
- Plumb bob
- Lint-free cloth
- Manual
- Warranty card
- Hard shell carrying case



SPECIFICATIONS*

	GTS-102N	GTS-105N
TELESCOPE		
Accuracy	0.6 mgon/2"	1.5 mgon/5"
Min. reading	0.2 mgon/1"	0.2 mgon/1"
Length	150mm	
Objective lens diameter	45 mm (EDM: 50 mm)	
Magnification	30x	
Resolving power	3"	
Minimum focusing distance	1.3 m	
DISTANCE MEASUREMENT		
1 prism / 3 prism	2.000 m / 2.700 m	
Accuracy	±(2 mm + 2 ppm x D) m.s.e.	
Measuring time		
Fine mode	1 mm : 1.2 sec (Initial 4 sec), 0.2 mm : 2.8 sec (Initial 5 sec)	
Coarse mode / Tracking mode	0.7 sec. (Initial 3 sec) / 0.4 sec. (Initial 3 sec)	
TILT CORRECTION		
Tilt sensor	Single axis	
Method	Liquid type	
Compensating range	±3'	
Correction unit	1"	
DISPLAY		
Display Unit / Keyboard	2 side, Dot Matrix LCD (160 x 64 dot) / 24 keys	
BATTERY LIFE		
Angle & distance measurement	9 hours / 40 hours (Angle measurement only)	
OTHERS		
Connectivity	RS232 Serial Connection	
Environmental Protection	IP54	
Internal Data memory	24,000 pts	
Ambient temperature range	-20°C to +50°C (-4°F to +122°F)	
Plummet	Optical Only	

* all technical changes are reserved by TOPCON, 01/2010

The leader in positioning technology

Topcon is the worldwide leading developer and manufacturer of precision positioning equipment. We offer the widest selection of innovative precision GPS, laser, optical, surveying, machine control, GIS and agricultural positioning solutions.



It's time.

www.topcon.eu

Your local authorised Topcon distributor is: