

GTS-102N
ELECTRONIC TOTAL STATION

 **TOPCON**

GTS-102N

ELECTRONIC TOTAL STATION



**High-Performance &
High Quality with Low-Price**

- *Solid and Tough body*
- *Large Displays*
- *Absolute Encoders*
- *Versatile Field Application Software*
- *Alphanumeric Key for Quick Data Input*
- *Long Life Battery*

High Accuracy & Long Measuring Range

Long distance: 2,000m with Single Prism
Higher accuracy: $\pm(2\text{mm}+2\text{ppm})$

Versatile Application Programs

- On-board data collection, Stakeout/Survey, Road Calculation, and many more functions.
- Integrated Alphanumeric keyboard realizes the quicker operation.
- Large internal memory up to 24,000 pts

Enhanced Absolute Encoder

Adopted absolute encoder, which doesn't require 0 set. Thanks to this encoder, it can realize stable measurement with less reading error.

Superior Waterproof; Dustproof

Applied to IEC Standard IP54. No worry about sudden bad weather.

STANDARD COMPONENTS



GTS-102N(with lens cap)	1 each
On-board Battery BT-G1	1 each
Battery Charger BC-G1C	1 each
Plastic Carrying Case	1 each
Tool kit with case	1 each
Plastic rain cover	1 each
Silicon cloth	1 each

It's time.

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Specifications subject to change without notice

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Specifications

GTS-102N

TELESCOPE

Length	150mm
Objective Lens	Dia. 45mm (EDM50mm)
Magnification	30x
Field of View	1°30'
Resolving Power	3.0"
Minimum Focus	1.3m

DISTANCE MEASUREMENT*

Mini Prism	900m
1 Prism	2000m
3 Prisms	2700m

*Slight haze with visibility about 20km moderate sunlight with light heat shimmer.

Accuracy	$\pm(2\text{mm}+2\text{ppmxD})\text{m.s.e}$
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ANGLE MEASUREMENT

Accuracy	2"
Method	Absolute Reading
Detecting System (H)	Dual
Detecting System (V)	Single
Minimum Reading	5"/1"
Tilt Correction	Single Axis

OTHERS

Display Unit	Graphics LCD 160x64 Dots, 2 Sides
Keyboard	Alpha-Numeric key
Dimension	336(H)x184(w)x172(L)mm
Weight	4.9kg (with battery)
Durability	
Protection against dust & water	IP54 (Based on the standard IEC60529)
Operating Temperature	-20°C to +50°C
Internal Memory	24,000pts
BATTERY BT-G1	
Operation Time	8 hours
BATTERY CHARGER BC-G1C	
Input Voltage	AC230V
Recharging time	1.8 hours (+10°C to +40°C)

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