



GTS-1000

Economical All-weather Total Station



- Improved EDM, Measuring Faster , More Powerfor
- Reflectorless、 Reflector、 prism three kinds of measure model
- Rugged and User-friendly Design
- Strong shell. IP66
- -20 ~ +60°C Working Temperature
- USB Data Communication
- One battery operation up to 25 hours

GTS-1000 Series

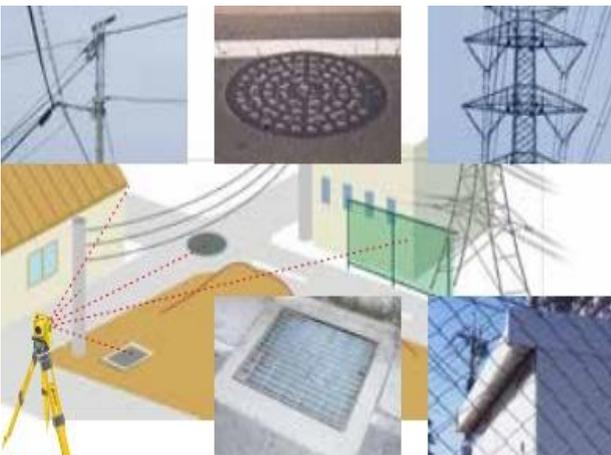
All-weather economical Total Station

GTS-1000 series are Topcon (Beijing) Technology

Development Ltd in 2017 newly released a new generation economical all-weather economical total station. Especially for the bad environment for all aspects of optimization design.

Fast, powerful measure system

- Using phase technology can effectively guarantee the accuracy of measurement
- Fast distance measurement of 0.9s regardless of object.
- 30 cm to 350 m non prism range
- 1.3 m to 500 m reflector plate test S
- The smallest facula enlarged the scope of measuring object.
- Dependable measurement even at shallow incidence angles.
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The narrow laser beam EDM not only can accurately measure the metope, angular point, ground, manhole covers etc. Light incident angle target, also can measure the high tension line or tree branches.



- With unique absolute technology to ensure Under the condition of continuously measuring accuracy of reliability
- Dual-axis compensator can ensure the instrument in the bad environment still keep level.



- 30cm to 350m non prism distance measurement.



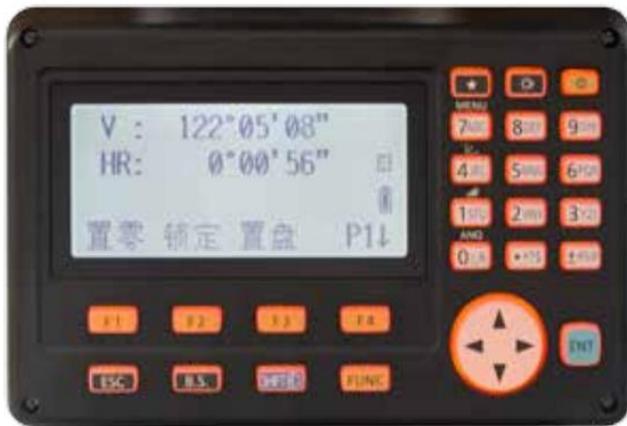
- USB - type A interface can be directly inserted into the USB flash drive. insert Into the usb flash drive and close the cover after still can ensure IP66 Protection grade

Solid shell and friendly visual interface design

- Dust and water protection IP66
- The high adaptability range of temperature
- 20 °C ~ + 60 °C
- Control panel consists of 25 keys pad (with alphabet entry) with LCD for easy viewing of graphics



- Double number/letter keyboard, operating more quickly



Contact information:

SPECIFICATIONS		
Model	GTS-1002	GTS-1005
Telescope		
Magnification/Resolving power	30X/2.5"	
Other	Length: 150mm, Objective aperture: 45mm (EDM:48mm), Image: Erect, Field of view: 1°30' (26m/1,000m), Minimum focus: 1.3m	
Angle measurement		
Display resolutions	1"/5"	
Accuracy (ISO 17123-3:2001)	2"	5"
Method	Absolute	
Compensator	Dual-axis liquid tilt sensor, working range: ±6'	
Distance measurement		
Laser output level	Non prism: 3R Prism/ Reflector 1	
Measuring range (under average conditions *1)		
	Reflectorless	0.3 ~ 350m
	Reflector	RS90N-K:1.3 ~ 500m RS50N-K:1.3 ~ 300m RS10N-K:1.3 ~ 100m
	Mini prism	1.3 ~ 500m
	One prism	1.3 ~ 4,000m/ under average conditions *1 : 1.3 ~ 5,000m
Accuracy	Reflectorless	(3+2ppm×D) mm
	Reflector	(3+2ppm×D) mm
	Prism	(2+2ppm×D) mm
Measurement time	Fine: 1mm: 0.9s Coarse: 0.7s, Tracking: 0.3s	
Interface and Data management		
Display/keyboard	Adjustable contrast, backlit LCD graphic display / With backlit 25 key (alphanumeric keyboard)	
Control panel location	On both faces	
Data storage		
	Internal memory	10,000pts.
	External memory	USB flash drives (maximum 8GB)
Interface	RS-232C; USB2.0	
General		
laser Designator	Coaxial red laser	
Levels	Circular level	±6'
	Plate level	10' /2mm
Optical plummet telescope	Magnification: 3x, Focusing range: 0.3m to infinity,	
Dust and water protection	IP66	
Operating temperature	-20 ~ +60°C	
Size	191mm (W) ×181mm (L) ×348mm (H)	
Weight	5.6kg	
Power supply		
Battery	BT-L2 lithium battery	
Working time	25 hours	