

GT-50: HIGH PRECISION GYRO THEODOLITE



■ PRODUCT DESCRIPTION

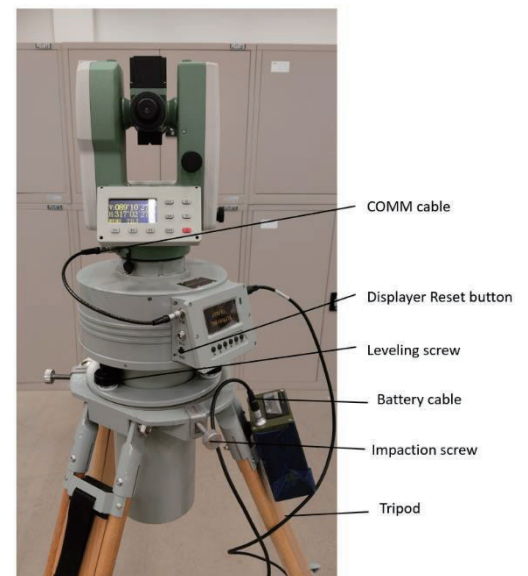
This product can determine the azimuth of the target or the prism which installed on the instrument without the help of the surveying point. There is no special installation deviation requirement before north seeking and it can determine high accuracy true north in all installation direction.

This instrument can be used in the field of subway surveying or construction, coal mine surveying, tunnel construction, etc.

■ PRODUCT MAIN SPECIFICATION

North seeking accuracy(1 σ)	5" (1 σ)
North Seeking time(min)	12min (average)
Theodolite	With auto-collimation function
Working	Fully automatic
Working power supply	Battery box DC 24V
Operating temperature range	-20°C~+50°C
Storage temperature	-40°C~+60°C
Applicable range	75°S~75°N
Initial northerly angle of erection	15°
Weight	16kg
Gyro theodolite main engine size	Φ 300mm×800mm
Packaging box size	415mm×415mm×800mm
Height of the tripod	900mm~1500mm
Instrument calibration cycle	12 months
Angle measurement mode	Lf-collimating absolute grating coding type
Magnification factor	30X
Level	30" /2mm
Minimum sight distance	1.5m
Display type	LCD, double line, line segment
Data Input & Output Interface	RS -232C
On-board battery power source	Rechargeable nickel-hydrogen battery
Voltage	DC 6V-7V
Continuous working time	5h
Operating temperature range	-20°C~+50°C
Instrument weight	5kg

■ PRODUCT INSTRUCTION



■ PRODUCT APPLICATION

- Subway surveying or construction
- Coal mine surveying
- Tunnel construction
- North Seeker