

GEO-VISION

Total Station with High Range Reflectorless

GV-52



The High Performance Total Station with Great Reliability, Flexibility and Easy to transfer data with mobile app (Bluetooth)

SPECIFICATIONS

Model	GV-52
Measuring Range	
1P	5km
3P	8-10 km
Non prism	1000m (1500m optional)
Digital Display	Maximum: 99999999.9999 Minimum: 0.1mm
Accuracy	With prism: 2mm+2ppm, without prism 3mm+2ppm
Measuring Time	Tracking 0.1s, Fine 0.3s
Atmospheric Correction	Automatic Correction by Inputting Parameter
Prism Constant	Automatic Correction by Inputting Parameter
Angle Measurement	
Measurement Method	Absolute Encoding
Diameter of the Raster Disk	79mm
Minimum Reading	0.1" / 1" / 5" Selectable
Accuracy	2"
Detection Method	Horizontal: Dual Sensors Vertical: Dual Sensors
Telescope	
Image	Erect
Length	154mm
Effective Aperture	45mm (EDM 50mm)
Magnification	30 X
Field of View	1° 30'
Resolving Power	3"
Minimum Focus	1m
Compensation	
System	Dual axis liquid tilt sensors
Working Range	±3"
Resolving Power	1"
Sensitivity of Level	
Plate Level	30" / 2mm
Circular Level	8" / 2mm
Laser Plummet	Yes
Data Storage and Communication	
Internal Memory	12MB (120,000 points)
External Memory	USB Flash Disk (up to 256 GB)
Interface	USB, bluetooth (Data Downloading to Mobile App)
Display	
Type	Dual sides, 6 lines, black and white
Key Board	Alphanumeric Key Pad with back light
Battery	
Power Supply	Rechargeable battery (3100mAh)
Voltage	7.4V DC
Operation Time	20 hours
Dimension and Weight	
Dimension	160mmx150mmx330mm
Weight	5.7 kg
Environmental Specification	
Dust/Water Protection	IP66
Working Temperature Range	-30°C +50°C
Humidity	95%, non-condensing

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Manufacturing in China

