

# GEO-VISION

Total Station with High Range Reflectorless

## GV-502



The High Performance  
Total Station with Great  
Reliability, Flexibility



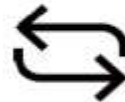
### Efficient Operation

Customizable Hot Keys  
Shortcuts  
Trigger Button



### Trusted Measurement

2" Angle Accuracy  
1,500m NP Range  
Stable, Reliable



### Data Transfer

USB drive  
Bluetooth



### Long Duration

Smart Battery Manager  
3,000mAh Battery  
16h working time

# SPECIFICATIONS

## TELESCOPIC

Length	154mm
Diameter	Telescopic: 45mm; EMD: 50mm
Magnification	30x
Image	Erect
Field of View	1°30'
Resolving Power	3"
Minimum Focus	1.5m

## DISTANCE

Single Prism Range	5,000m
Accuracy	±(2mm+2mm*D)m.s.e
Non-prism Range	1,500m
Accuracy	±(3mm+2mm*D)m.s.e
Measuring Time	Fine: 0.3s; Normal: 0.2s
Meteorologic Correction	Auto Sensor
Prism Constant	Manual

## ANGLE

Accuracy	2"
Method	Absolute Encoding
Detecting System	H: dual; V: dual
Minimum Reading	1"/5"/10"
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horizontal: 0°
Unit	360°/400gon/6400mil

## DISPLAY

Display Unit	240*160 with backlight, 8 lines
No. of Displays	2
Keyboard	Alphanumeric

## GUIDE LIGHT

Type	Red+yellow flashing LED
Working Range	150m

## PLUMMET - LASER

Type	Class II red laser
Accuracy	<0.4mm @ 1.5m height
Spot Diameter	<1.5mm @ 1.5m height
<b>- OPTICAL</b>	
Image	Erect
Magnification	3X
Focusing Range	0.3m - ∞
Field of View	5°

## TILT CORRECTION

Tilt Sensor	Dual axis
Method	Liquid electric
Range	4'
Resolution	1"

## LEVEL

Plate Level	30"/2mm
Circular Level	8'/2mm

## DATA INTERFACE

Internal Memory	> 10,000 points
Data Interface	USB2.0
Wireless	Bluetooth 2.1, WT12

## GENERAL

Quick-meas Button	Yes
Weight	5.4kg
Dimension	353 (H) * 206 (L) * 200 (W) mm
Operating Temperature	-20°C to 50°C
Battery	Li-on battery, 7.4V, 3000mAh
Water & Dust Proof	IP55
Working Duration	16h

# GEO-VISION

E-mail: [sunder66@hotmail.com](mailto:sunder66@hotmail.com)  
 Web: [www.sundersurveying.com](http://www.sundersurveying.com)

Manufacturing in China

