

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 Manger
3,000Ah Battery
16h working time

SPECIFICATIONS

Model	GV-502
-------	--------

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

DISTANCE	
Single Prism Range	5,000m
Accuracy	$\pm(2\text{mm}+2\text{mm}*D)\text{m.s.e}$
Non-pirism Range	1,500m
Accuracy	$\pm(3\text{mm}+2\text{mm}*D)\text{m.s.e}$
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
- OPTICAL	*optional
Image	Erect
Magnification	3X
Focusing Range	0.3m- ∞
Filed of View	5°

TILT CORRECTION	
Tile Sensor	Dual axis
Method	Liquid electric
Range	4
Resolution	1"

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

DATA INTERFACE	
Internal Memory	> 100000 points
Date 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
Web: www.sundersurveying.com

Manufacturing in China

