

# MANUAL TOTAL STATION

Stable performance with accurate long-range distance measurement. Large and easy-to-read display and practical onboard software. AXIS 1 offers a durable and versatile solution to your survey and construction tasks.

## SPECIFICATIONS

### TELESCOPIC

Length	1 54mm
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

**STEC**  
SDM TECHNOLOGY

WE ARE YOUR TRUSTED SOURCE  
FOR THE SURVEY TECHNOLOGY.



Efficient Operation  
Customizable Hot Keys  
Shortcuts  
Trigger Button



Trusted Measurement  
2" Angle Accuracy  
1500m NP Range  
Stable, Reliable



Data Transfer  
USB drive  
Bluetooth



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

# SURWAY X1



### 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 - ∞
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



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