



# SET02N

## Total Station



### Superior Waterproof and Dustproof

- Conforms to IEC Standard IP54. No worry about sudden bad weather.

### High Accuracy & Long Measuring Range

- Long distance: 2,000m with Single Prism.
- Higher accuracy: (2+2ppm x D) mm

### Enhanced Absolute Encoder

- Adopted absolute encoder, which doesn't require 0 set. Thanks to this encoder, it can realize stable measurement with less reading error.

### Versatile Application Programs

- On-board data collection, Stakeout/Survey, Road Calculation, and many more functions.
- Integrated Alphanumeric keyboard realizes the quicker operation.
- Large internal memory up to 24,000 pts.

### Standard Accessories

- SET02N main unit
- Battery (BT-G1)
- Battery charger (BC-G1C)
- Lens cap
- Tool kit with case
- Plastic rain cover
- Silicon cloth
- Carrying Case



### SPECIFICATIONS

Model	<b>SET02N</b>	
<b>Telescope</b>		
Magnification	30x	
Resolving power	3.0"	
Others	Length: 150mm, Objective aperture: 45mm (50mm for EDM), Image: Erect, Field of view: 1°30' (26m/1,000m), Minimum focus: 1.3m	
<b>Angle measurement</b>		
Display resolution	1" or 5", selectable	
Accuracy	2"	
Method	Absolute rotary encoder scanning	
Detecting	Horizontal	Diametrical
	Vertical	Single
Compensator	Single-axis tilt sensor	
<b>Distance measurement*</b>		
Measuring range	Mini prism	900m
	One prism	2,000m
	Three prisms	2,700m
Accuracy	(2 + 2ppm x D) mm	
<b>Interface and Data management</b>		
Display	Graphics LCD, 160 x 64 dots	
Keyboard	Alphanumeric keyboard	
Control panel location	On both faces	
Data storage	Internal memory	24,000 pts.
<b>General</b>		
Dust and water protection	IP54 (IEC 60529)	
Operating temperature	-20 to +50°C	
Size	W184 x D172 x H336 mm	
Weight with battery	4.9kg	
<b>Power supply</b>		
BT-G1 Battery	Operating time	9 hours
BC-G1C	Input Voltage	AC220V
Battery charger	Recharging time	1.8 hours (+10 to +40°C)

\*Slight haze with visibility about 20km moderate sunlight with light heat shimmer.



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