

SOKKIA

SET05N

Total Station

High-Performance & High-Quality with Low-Price

- Solid and Tough Body
- High Accuracy & Long Measuring Range
- Absolute Encoders
- Alphanumeric Keys for Quick Data Input
- Versatile Field Application Software
- Large Displays
- Long Life Battery





SET05N

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

- SET05N main unit • Battery (BT-G1) • Battery charger (BC-G1C)
- Lens cap • Tool kit with case • Plastic rain cover • Silicon cloth
- Carrying Case



SPECIFICATIONS

Model	SET05N	
Telescope		
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	
Angle measurement		
Display resolution	1" or 5", selectable	
Accuracy	5"	
Method	Absolute rotary encoder scanning	
Detecting	Horizontal	Diametrical
	Vertical	Single
Compensator	Single-axis tilt sensor	
Distance measurement*		
Measuring range	Mini prism	900m
	One prism	2,000m
	Three prisms	2,700m
Accuracy	(2 + 2ppm × D) mm	
Interface and Data management		
Display	Graphics LCD, 160 × 64 dots	
Keyboard	Alphanumeric keyboard	
Control panel location	On both faces	
Data storage	Internal memory	24,000 pts.
General		
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	
Power supply		
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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