

S9i GNSS



- ✓ RTK-Genauigkeit, fixed (Initialisierung <10s)
+/- 8mm horizontal, +/- 15mm vertikal
- ✓ TRIMBLE BD970 GNSS-Board 220 Kanäle L1/L2 mit
GPS, GLONASS, GALILEO, COMPASS, SBAS
- ✓ Elektronische Libelle, Doppelakkus für 12h Betrieb mit
Ladestandsanzeige, WEB-Interface
- ✓ Integriertes GPRS-Modem und UHF-Funkmodul 403-473 MHz
- ✓ IP67, 2 Jahre Herstellergarantie

STONEX S9i

Ein bewährter GNSS-Rover im neuen Design.

Im kompakten Gehäuse ist eine elektronische Libelle als technisches Highlight untergebracht.

Der S9i lässt wie seine Vorgänger keine Wünsche in Punkto Genauigkeit und Zuverlässigkeit offen.

EINFACH INNOVATIV.

TECHNICAL FEATURES

RECEIVER

Channels	220
Satellite tracked	GPS: Simultaneous L1 C/A, L2C, L2E, L5 GLONASS: Simultaneous L1, L2 BSD: B1, B2 GALILEO: Simultaneous E1, E5A, E5B AltBOC Assistence position: WAAS, MSAS, EGNOS, QZSS
Position Rate	Up to 50 Hz
Signal Reacquisition	< 1 sec
RTK Signal Initialization	Typically < 10 s
Hot Start	Typically < 15 s
Initialization Reliability	> 99.9 %
Internal Memory	8 GB
Micro SD Card	Expansion slot up to 32 GB

POSITIONING¹

HIGH PRECISION STATIC SURVEYING (Long Time Observations)	
Horizontal	(2.5 mm + 0.1 ppm) RMS
Vertical	(3.5 mm + 0.4 ppm) RMS
STATIC ACCURACY	
Horizontal	(2.5 mm + 0.5 ppm) RMS
Vertical	(5 mm + 0.5 ppm) RMS
SBAS POSITIONING (Typical)	
Horizontal	0.5 RMS ²
Vertical	0.85 RMS ²
REAL TIME KINEMATIC (< 25 Km) – NETWORK SURVEYING ³	
Fixed RTK Horizontal	(8 mm + 1 ppm) RMS
Fixed RTK Vertical	(15 mm + 1 ppm) RMS

GNSS ANTENNA CHARACTERISTICS

Ceramic zero-phase-shift multi-system antenna with L-band support

Specifications are subject to change without notice.

1. Accuracy and reliability are generally subject to satellite geometry (DOPs), multipath, atmospheric conditions and obstructions. In static mode they are subject even to occupation times: the longer is the Baseline, the longer must be the occupation time.
2. Depends on SBAS system performance.
3. Network RTK precision depends on the network performances and are referenced to the closest physical base station.
4. Varies with the operating environment and with electromagnetic pollution.

WIRELESS COMMUNICATION

Bluetooth device	V2.0 GHz class II
Wi-Fi	IEEE 802.11 b/g/n Hotspot function
Network	Five Bands UMTS/HSPA+ (WCDMA/FDD) 850/800, 900, 1900, 2100 MHz Quad-Band GSM (850/900/1800/1900 MHz)
Protocol	South 9600/19200, TRIMTALK, TRIMMARK 3, PCC EOT 9600/19200
UHF radio	TX power: 0.5W/2W (adjustable) Frequency: 410-470 MHz

E-Bubble

Accuracy	Pitch: 0.1° Roll: 0.1°
Feature	Roll and Go survey (feature in Software)

POWER SUPPLY

Battery	Rechargeable and replaceable 3400 mAh
Battery life	Over 12 hours (dual battery and hot swap)

PHYSICAL SPECIFICATION

Dimensions	φ 159 mm x 89 mm
Weight	1.2 Kg with internal battery
Operating Temperature	-30°C to 65°C
Storage Temperature	-40°C to 80°C
Waterproof/Dustproof	IP67. Protected from temporary immersion to depth of 1 meter and from 100% humidity
Humidity	100% non-condensing
Shock Resistance	Designed to survive 2 m drop on hard surface (tested in compliance to MIL-STD 802G)
Vibration	Designed to operate at 7.5 Hz to 350 Hz 0.015 g ² /Hz

Illustrations, descriptions and technical specifications are not binding and may change



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