Leica Viva GNSS GS12 receiver

Datasheet







Proven GNSS Technology

Built on years of knowledge and experience, the Leica GS12 delivers the hallmarks of Leica GNSS – reliability and accuracy.

- SmartCheck RTK data-processing to guarantee correct results
- SmartTrack advanced four constellation tracking of all GNSS satellites today and tomorrow
- SmartRTK delivers consistent results in all networks



Light Weight and full functionality

The Leica GS12 delivers ultimate ergonomics through extreme light weight.

- Weight of only 1kg for ergonomic handling with ideal balance
- Full GNSS compatibility: GPS, GLONASS, Galileo and BeiDou
- Fully scalable sensor allows you to buy only what you need today and upgrade with additional functionality as you need it
- Full RTK connectivity together with Leica Viva CS10/CS15 using UMTS, GPRS, GSM or CGR radio devices



Rugged

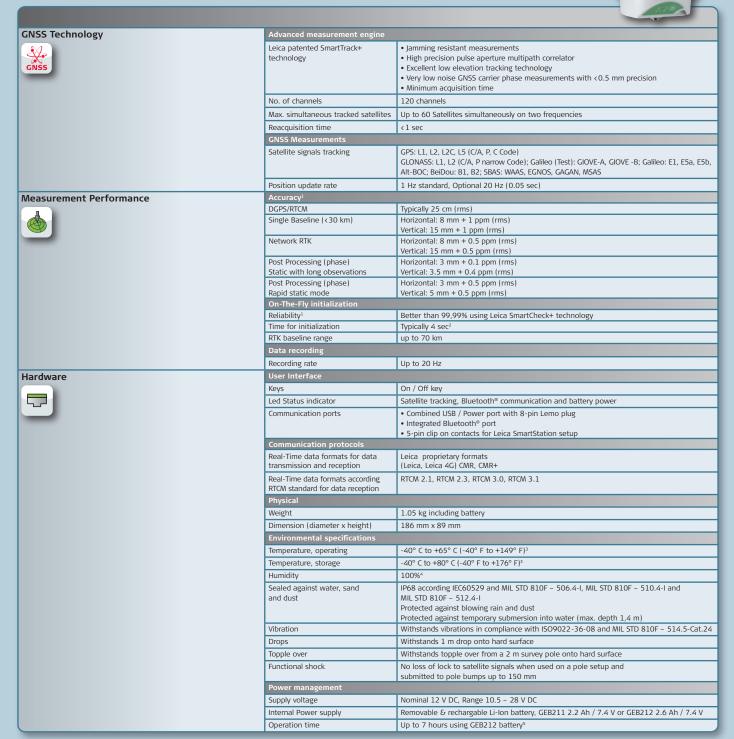
The Leica GS12 is built for the most demanding environments.

- IP68 protection against dust and continuous immersion
- Withstands 2m pole topple over test
- Built for extreme temperatures of -40° C to +65° C
- Complete cable free operation





Technical Specifications



¹ Measurement precision, accuracy and reliability are dependent upon various factors including number of satellites, geometry, obstructions, observation time, ephemeris accuracy, ionospheric conditions, multipath etc. Figures quoted assume normal to favorable conditions. Times required are dependent upon various factors including number of satellites, geometry, ionospheric conditions, multipath etc. GPS and GLONASS can increase performance and accuracy by up to 30% relative to GPS only.

² May vary due to atmospheric conditions, multipath, obstructions, signal geometry and number of tracked signals.

³ Compliance with ISO9022-10-08, ISO9022-11-Special and MIL-STD-810F Method 502.4-II, MIL-STD-810F Method 501.4-II

⁴ Compliance with ISO9022-13-06, ISO9022-12-04 and MIL-STD-810F Method 507.4-I

⁵ May vary with temperature and battery age.



The **Bluetooth**® word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Leica Geosystems AG is under license.

Other trademark and trade names are those of their respective owners.

Illustrations, descriptions and technical data are not binding. All rights reserved. Printed in Switzerland -Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2011. 783035en-us - 01.14 - galledia

