

GNSS Receivers

Zenith15 & 25 Pro Series



EXTREMELY ROBUST

- IP68 dust and waterproof
- Withstands a 2 m topple over
- Vibration resistant



BUILT FOR THE FUTURE

- Quad-penta band GSM/GPRS/UMTS
- UHF radio and Bluetooth®
- True GNSS: GPS, GLONASS, BeiDou, Galileo and SBAS*



MIX & MATCH

- Combine with your preferred datalogger and software
- Open connectivity
- Full setup flexibility

BUILT TO LAST, BUILT FOR THE FUTURE

Withstanding vibration and 2 m topple over, and unbeatable IP68 protection for dust and immersion in water, the GeoMax Zenith15 and 25 Pro GNSS receivers are built to last, performing under extreme conditions.

This resilience comes together with the unmatched Q-Lock™ technology, allowing you to track in challenging conditions. Combined with your preferred datalogger and field software, you have full flexibility and open connectivity in the field.

INTEGRATED 3.75 G GSM & UHF MODULES

Connectivity over long distances and greatest flexibility.

NOVATEL GNSS TECHNOLOGY & Q-LOCK™ TECHNOLOGY

All visible satellites are tracked with the highest possible sensitivity. Sophisticated tracking and multipath mitigation algorithms guaranteeing lowest noise measurements.

ROBUSTNESS

IP68 dust tight and water immersion protection, and vibration and shock resistance.



ZENITH25 PRO SERIES

Your professional choice now and tomorrow

Equipped with the most advanced GNSS receiver technology, Zenith25 Pro series supports GPS, GLONASS, Galileo, BeiDou, and SBAS systems. Suitable for any application, the Zenith25 Pro series additionally considers new GNSS constellations like BeiDou and Galileo today and is prepared for even more signals tomorrow.





ONE ANTENNA FOR ALL APPLICATIONS

- **Open connectivity**
Choose your preferred field software.
- **Full flexibility**
Choose your preferred datalogger.



COMPLETE CONTROL WITH RECEIVER KEYPAD

Relevant status information at a glance and most frequently used settings.

QUICK SWAPABLE SIM & MICRO SD CARDS

SIM card easy access and flexible memory management system.

INTERNAL GSM / GPRS ANTENNA

Compact design, maximum ruggedness.

EXTERNAL POWER & RADIO PORT

Enhanced flexibility for base setups.



ZENITH15 SERIES Your economic choice

This robust entry level GNSS receiver offers you the flexibility of choosing between UHF and GSM depending on the situation.



Zenith15 & 25 Pro Series

	ZENITH25 PRO4	ZENITH25 PRO	ZENITH15
Q-Lock™ technology	Lowest noise and multipath mitigation		
Satellites (Max. number tracked simultaneously)	60		
Channels	120		
GPS tracking	L1, L2, L2C		
GLONASS tracking	L1, L2		
BeiDou tracking	Yes	-	-
Galileo tracking *	Yes	-	-
Positioning rate	20Hz (optional), 5Hz	20Hz (optional), 5Hz	5Hz
SBAS	EGNOS, WAAS, MSAS, GAGAN		
ACCURACY**			
Static H/V (mm + ppm)	3 + 0.5 / 5 + 0.5	3 + 0.5 / 5 + 0.5	5 + 0.5 / 10 + 0.5
Static long H/V (mm + ppm)	3 + 0.4 / 3.5 + 0.4	3 + 0.4 / 3.5 + 0.4	3 + 0.4 / 3.5 + 0.4
Kinematic H/V (mm + ppm)	8 + 1 / 15 + 1	8 + 1 / 15 + 1	10 + 1 / 20 + 1
COMMUNICATION			
GSM/GPRS module	Quad-Band GSM & Penta-Band ; UMTS 800 /850 /900 /1900 /2100 MHz ; internal antenna		
UHF radio module	1000 mW transceiver; 406 – 480 MHz		
	Yes	Optional	Optional
Bluetooth®	Device class II		
Communication port	USB, serial and power		
INTERFACES			
Keyboard	On/off and function keys		
LED status and mode indicators	Position, battery, Bluetooth®, RTK receive, RTK transmit, storage card ; Rover, base, static		
Data recording	8 GB removable microSD card		
GSM / TCP / IP	Removable SIM card		
POWER SUPPLY			
External power / Internal battery	10.5 V to 28 V / Removable 2.6 Ah ; 7.4 V		
Operating time (static/rover)	9 h / 6 h	9 h / 6 h	7.5 h / 5 h
PHYSICAL SPECIFICATIONS			
Dimensions / Weight	Height 95 mm, ø 198 mm / 1.2 kg incl. battery & UHF radio		
Operating temperature	– 40°C to 65°C		
Protection class	IP68 - withstands dust and immersion in water		
Humidity	100%, condensing		
Vibration	Mechanical stress resistant according ISO 9022-36-05		
Shock	Withstands 2m topple over onto hard surface		

* The optional Galileo tracking will be made available once there are sufficient satellites: ** Measurement accuracy and reliability are dependent on various factors including satellite, geometry, obstructions, observation time, ionospheric conditions, multipath, etc. Figures quoted assume normal to favourable conditions.



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