

# GNSS Receiver Zenith35 Series



## FULL CONNECTIVITY

- Control with any Wi-Fi® device
- Easy to set up and connect
- Remote access configurations



## COMPACT AND RUGGED

- Compact size
- IP68 Water and dust proof
- Shock protected



## SUPERIOR PERFORMANCE

- All satellite systems supported
- NovAtel® technology
- Selectable RTK modes

# Zenith35 Series

Enjoy our most compact GNSS receiver. Featuring the full spectrum of satellite signals and unlimited connectivity, the Zenith35 works when you do.

## FULL CONNECTIVITY FULL PERFORMANCE

It never was so easy to connect to your GNSS receiver. Equipped with DynDNS technology, Zenith35 guarantees you access from any device connected to the Internet, independent of your location, and connects up to 10 rovers simultaneously via GSM.

Once connected and working either under heavy canopy or when the most accurate result is required, the unique ExtraSafe mode of the Zenith35 will adapt to your different working conditions.



## RECEIVER SPECIFICATIONS

AdVance® technology	High fix availability + reliability
Max. No. of satellites	60 satellites simultaneously
Channels	120, dual frequency
GPS tracking	L1, L2, L2C, L5
GLONASS tracking	L1, L2
BeiDou tracking	B1, B2
Galileo tracking	Supported*
Positioning rate	20 Hz, 5 Hz
SBAS	EGNOS, WAAS, MSAS, GAGAN, QZSS

## RECEIVER ACCURACY\*\*

Static horizontal	5 mm ± 0.5 ppm (rms)
Static vertical	10 mm ± 0.5 ppm (rms)
Kinematic horizontal	10 mm ± 1 ppm (rms)
Kinematic vertical	20 mm ± 1 ppm (rms)

<b>QUALITY MODE</b>	Selectable: ExtraSafe, Standard
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## INTERFACES

Keyboard	On/off and function keys
LED status indicators	Position, battery, Bluetooth®, RTK receive, RTK transmit, storage card, Wi-Fi®
LED mode indicators	Rover, base, static
Data recording	MicroSD card 4 GB internal memory
GSM/TCP/IP	Removable SIM card

## COMMUNICATION

GSM/GPRS module	Quad-Band GSM & Penta-Band UMTS 800 /850 /900 /1900 /2100 MHz
UHF radio module	1000 mW transceiver, 403 – 473 MHz
Bluetooth®	Device class II
TNC connector	UHF antenna, UMTS/GSM antenna
Communication port	USB, serial & power

## POWER SUPPLY

Internal battery	Removable 3.4 Ah / 11.1 V
Operating time	6 h in static / 5.5 h in rover mode
External power	9 V to 18 V

## PHYSICAL SPECIFICATIONS

Dimensions	Height 131 mm, ø 161 mm
Weight	1.17 kg without battery
Operating temp.	- 30°C to 60°C
Protection class	IP68 dust and waterproof
Humidity	100%, condensing
Vibration	ASAE EP455 Section 5.15.1 Random, MIL-STD-810G, method 514.6E-I
Shock	Withstands 2 m drop 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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