GEO-KOMBI®

The receiver for every application
geo-kombi® is available in several versions in order to match the requirements of various user groups. Because of its modular structure it is the perfect solution to integrate GNSS-technologies in existing systems as well as in new applications.

**TECHNICAL DATA**

**SPECIFICATIONS**
- supporting GPS, GLONASS, SBAS (EGNOS, OmniSTAR VBS, OmniSTAR HP/XP), GALILEO ready
- 220 channels
- maximum positioning output: 50 Hz
- dimensions: 5.5 cm (h) x 21.5 cm (b) x 14 cm (d)
- weight: 1.29 kg
- supply voltage: 9 V DC bis 36 V DC
- capacity (depending on equipment): 3-5 W
- protection class: IP 65

**INTERFACES**
- up to 4 x RS232 (by max 115 kbps)
- CAN
- Ethernet (10/100 BaseT)
- USB
- Digital I/O (GSM)
- PPS
- Event In

**ANTENNAS**
- Trimble Ag25 antenna
- permanent base antenna
- Trimble Zephyr II Mdl 2, geodetic optional

**OPTIONS**
- Heading-upgrade
- integrated multi-protocol-UHF-module or quad-band-GSM/GPRS/UMTS-module
- mapping-bundle

**PROTOCOLS**
- NMEA 0183: e.g. GGA, UTG, ...
- Binary (GSOF, RT17/27)
- RTCM 2.x, RTCM 3.x, CMR, CMR+
- in preparation for NMEA2000
- http, ntp, smtp, NTRIP caster, NTRIP server, NTRIP client
- mDNS / UPnP service discovery
- DHCP / Dynamic DNS

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**GEO-KOMBI® - THE RECEIVER FOR EVERY APPLICATION**

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geo-kombi® base station
- high-precision and independent
- DGNSS- or RTK-accuracy
- configuration via network connection
- available as attractive base-rover-package
- integrated multi-protocol UHF-Modul-external UHF/VHF

geo-kombi® 10 Rover
- centimeter-accuracy for DGPS price
- opportunity to use VRS, base station or OmniSTAR-corrections
- NMEA-data output for every common mapping software
- RTK- and Heading-upgrade available

geo-kombi® RiGuide
- GNSS-package for drill rig control
- satellite based adjustment of drill booms
- retrofitting for all common drill rigs
- reduces costs and increases efficiency
- complete documentation
- perfect extension for geo-konzept blast design-systems

*Absolute accuracy (1 Sigma) with adequate VRS or base station correction data.