

10xx



ppm

PRECISE POSITIONING MANAGEMENT

GNSS systems ¹

GPS L1 / L2 / L2C / L2P / L5
Glonass L1 / L2 / L3 / L5
Galileo E1 / E5 AltBOC / E5a / E5b / E6
Beidou B1 / B2 / B3
QZSS L1 C/A / L1C / L2C / L5 / LEX
SBAS L1 / L5
L-Band up to 5 channels
14 up to 555 channels

Output rates

1 Hz up to 50 Hz

Firmware options

raw data output
DGPS base / RTK base
DGPS rover / RTK rover

Connections

USB port 1 × USB
GNSS antenna port TNC female (5V - max. 50mA)

Accuracy ²

GNSS only (m) 1,5
SBAS (m) 0,5 (WAAS) - 0,8 (EGNOS)
DGPS (m) 0,3
PPP (m) 0,05 bis 0,30 – depends on used data
TerraStar-L (m) 0,4
TerraStar-C (m) 0,04
RTK Float Solution (Flying RTK) (m) 0,05 + 1 ppm
RTK Fixed (m) 0,008 + 1 ppm

Specifications

Power input (V DC) 5 or 9 -36 optional
Power consumption (Watt) ³ <0,5 up to 1,5 max.
Operating temperature (°C) -20 bis +70
Environmental IP54 (optional IP65)
Size (mm) 110 × 30 × 50
Weight (g) 130

¹) depends on GNSS board inside:

- NovAtel OEMstar: 14 channel GPS + GLONASS L1
- Trimble MB-Two: 240 Channel L1/L2 GPS + GLONASS + GALILEO + COMPASS
- NovAtel OEM 719: 555 Kanal L1/L2/L5 GPS + GLONASS + GALILEO + COMPASS

²) Accuracy specification may be affected by atmospheric conditions, signal multipath, and satellite geometry. Position accuracy specifications are for horizontal positioning. Vertical error is typical <2 times horizontal error. Performance values assume minimum of five satellites, following the procedures recommended in the product manual. High multipath areas, high PDOP values and periods of severe atmospheric conditions may degrade performance.

³) depends on GNSS board inside:

- NovAtel OEMstar <0,5W
- NovAtel OEM719 <1,2W
- Trimble MB-Two <1,4W

Authorized Partner

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GNSS SENSOR

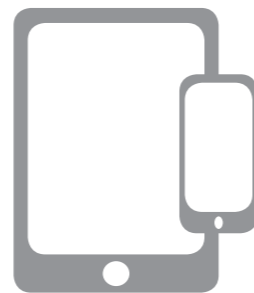
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10xx GNSS SENSOR



*That's all your tablet pc needs
to measure accurate und reliable!*



Additional information about the ppm 10xx in our product video

THE PPM 10xx SOLUTION

*It's that easy to work with your tablet
taking measurements with professional standards.*



The ppm 10xx GPS + GLONASS receiver is
available in two models

- 1 SUBMETER ACCURACY with a 14 channel GPS + GLONASS receiver
- 2 DECIMETER ACCURACY with a 240 or a 555 channel GPS + GLONASS receiver
(upgradeable to CM ACCURACY with dual frequency and COMPASS and GALILEO)



GPS + GLONASS L1/L2 antenna
ensures excellent reception.



External antenna kit

contains a 2m antenna pole (carbon fibre) with
internal antenna cable and a survey grade GNSS
antenna. All together it's an "all-on-the-pole"
survey system.



Connected via USB port

the receiver is powered and delivers data.



The adapter set

provides the perfect fit for the ppm 10xx
on your tablet or smartphone.



GNSS Commander software

helps to configure the receiver and provides NTRIP connections
and transformation. Data can be forwarded to 3rd party software.

