



ppm

PRECISE POSITIONING MANAGEMENT

10xx
GNSS SENSOR

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ppm 10xx RTK
all-on-the pole
or
click-on-a-tablet

Additional information about ppm 10xx in our product video.





THE PPM 10xx KIT

The ppm 10xx receiver can be used as all-on-the-pole as well as click-on-a-tablet solution.

TABLET SOLUTION

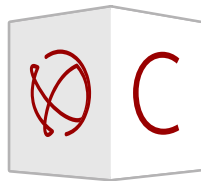
The GNSS L1/L2 Helix Antenna ensures excellent reception even in harsh environments. The flexible gooseneck allows an optimized alignment of the GNSS antenna on a tablet.



ALL-ON-THE-POLE SOLUTION

Optional antenna rod kit consisting of a plug-in 2m carbon rod with internal antenna cable and a precise GNSS helix antenna (or alternatively a patch antenna) turns the ppm 10xx into a "classic" surveying system.

ppm Commander Software



With the *ppm Commander* the receiver can be configured, a connection to a reference network (NTRIP) can be created and a transformation to local coordinates can be set. The precise coordinates are provided to your application software. The software is available as a Windows version or as an Android version (Google Play Store).

Tablet bracket

Two bracket models are available:

- a special holder for the *Samsung Galaxy Tab Active2*
- or a universal holder for tablets from 7"-10" display size

USB connectivity

A USB cable with optional USB-A, USB micro or USB-C connector provides the right connection to a tablet.



GNSS SENSOR

GNSS systems

<i>Multi constellation and dual frequency receiver</i>	GPS
	GLONASS
	GALILEO
	BEIDOU

Output rates

up to 20Hz

Connections

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

Accuracy ¹

<i>GNSS only (m)</i>	1,5
<i>DGPS (m)</i>	0,3
<i>RTK Fixed (m)</i>	0,01 + 1 ppm

Specifications

<i>Voltage input (V DC)</i>	5 or 9-36 optional
<i>Power consumption (Watt)</i>	<0,5
<i>Operating temperature (°C)</i>	-20 to +70
<i>Environmental</i>	IP54 (optional IP65)
<i>Size (mm)</i>	125 × 30 × 55
<i>Weight (g)</i>	130

1) 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.

Authorized Partner

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