ProMark 120

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ProMark 120 is the most versatile post-processing solution, designed for easy and efficient land survey applications. ProMark 120 solution includes a rugged GNSS handheld receiver running Windows Embedded Handheld 6.5 operating system, ProMark Field software and the ASH-660 (L1 GPS/GLONASS) antenna.

❖ **Outstanding GPS & GLONASS Performance**

Thanks to the embedded Ashtech Z-Blade technology as well as GPS and GLONASS signals tracking, ProMark 120 provides high-precision measurements even in very demanding or obstructed environments. Its exceptional post-processing performance and short occupation time deliver a very productive solution to the field crews.

❖ **Unparalled Ease-Of-Use**

The very intuitive ProMark Field software is designed for simple and trouble-free use providing all necessary tools without any unnecessary or complicated features. Its lightweight, but rugged and waterproof handheld design, all-day-long autonomy, and large memory make ProMark 120 a perfect solution for easy and efficient post-processing.

❖ **Versatile Solution**

Designed as a scalable solution, ProMark 120 can be easily also used not only in post-processing but also in RTK or GIS applications. Built on the state-of the-art Windows Embedded Handheld 6.5 based platform with built-in wireless communications, ProMark 120 is a truly versatile and complete offering.

SPECIFICATIONS

- Constellation :GPS/GLONASS/SBAS
- Frequency :L1
- Channels :45
- Update Rate :0.05 sec
- Data format :RTCM 3.1, ATOM, CMR(+), NMEA
- Raw data output :Yes
- Real-time Accuracy - RTK mode (HRMS) :1 cm
- Real-time Accuracy - DGPS mode (HRMS) :< 30 cm
- Real-time Accuracy - SBAS mode (HRMS) :< 50 cm
- Post-Processed Accuracy (HRMS) :0.5 cm + 1 ppm
- Time to first fix :15 sec
- Initialization range :Up to 10 km
- Processor :806 MHz
- Operating system :Windows Embedded Handheld 6.5
- Communications :GSM/GPRS, BT, WLAN
- Unit size (mm / inches) :190x90x43mm / 7.5x3.5x1.7in
- Weight :0.62 kg / 1.43 lb
- Display :3.5
- Memory :256 MB SDRAM, 2 GB NAND, SDHC
- Temp Min (°C) :-20°C / -4°F
- Temp Max (°C) :60°C / 140°F
- Waterproof :IP 65
- Shock & vibration :ETS300 019 / MIL-STD-810
- Power (type - lifetime) :6600 mAh Li-Ion / > 8 hrs
- Antenna Type :Internal / External
- Firmware options :Yes
- Software options :Yes