

ProFlex 800 GNSS for Positioning Applications



Spectra Precision has introduced the ProFlex 800, a GNSS solution with Z-Blade GNSS-centric technology. The ProFlex 800 delivers fast and reliable RTK positioning, even in environments where GNSS signals may be difficult to acquire. Rugged and IP67-rated, the ProFlex 800 is built to withstand harsh operating conditions for a variety of positioning applications.

Used as a backpack rover or reference station, the ProFlex 800 with Z-Blade technology is a flexible GNSS solution for land surveying. Its innovative design also makes it ideal for hard mounted survey applications such as coastal work, dredging, bathymetry or offshore vessel operations.

The weatherproof, high-impact-resistant moulded aluminium housing allows the ProFlex 800 to operate in harsh conditions.

In addition to a 3.5G internal cellular modem, the ProFlex 800 can use a variety of internal or external UHF modules, providing stable and reliable wireless communications. It can be used as a rover or a base without additional accessories in the field. Its Z-Blade long-range RTK capability combined with industry-leading UHF options help to ensure maximum productivity while in the field.

With its built-in ethernet capability and embedded Web Server, users can access the ProFlex 800 from any computer connected to the Internet. This capability allows instant real-time multi-data streaming over an Ethernet connection to build an RTK corrections server without any additional software or equipment.

The Spectra Precision ProFlex 800 is also available as a Continuously Operating Reference Station (CORS). This configuration is suitable for collecting, storing and transferring high-quality GNSS raw data for post processing surveys, geodetic and other applications. Automatic sessions programming, a user-friendly Web-interface, an embedded RINEX converter, FTP push functionality and many other advanced CORS features make the ProFlex 800 CORS a powerful, robust and easy-to-use GNSS solution.

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