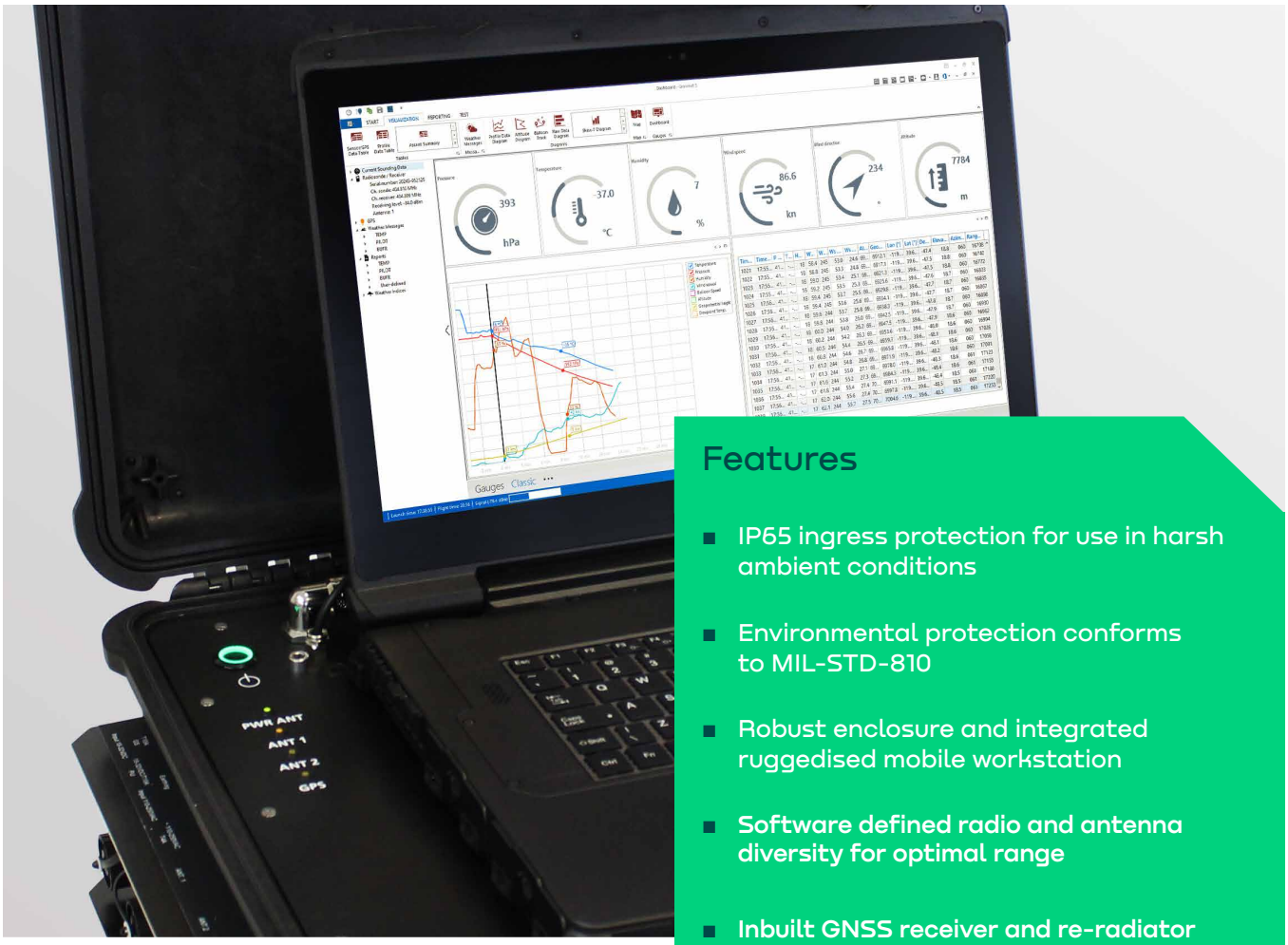
Sounding System GS-B

Mobile splash-proof sounding system with integrated notebook and battery



Features

- IP65 ingress protection for use in harsh ambient conditions
- Environmental protection conforms to MIL-STD-810
- Robust enclosure and integrated ruggedised mobile workstation
- **Software defined radio and antenna diversity for optimal range**
- **Inbuilt GNSS receiver and re-radiator streamlines launch preparation**

With integrated sounding workstation

GS-B offers an uncompromising solution enabling users to perform soundings at any location and even under adverse environmental conditions. The field-proven pelicase houses the robust mobile workstation alongside the sounding system, offering a truly all-in-one mobile experience. Two antenna channels, a ground weather station connection and an integrated GNSS receiver and re-radiator allow the GS-B to be set up in a sheltered location. The highly customisable grawMet software guides the sounding and allows creation of all standard WMO reports and STANAG messages.

FL-GS-B-EN_V02.00 - Subject to changes and errors

Key specifications	
Compatibility	All Graw radiosondes
Sounding Workstation	Integrated ruggedised mobile workstation running grawMet software
Radio Receiver	400-406 MHz, Software Defined Radio, Dual Antenna Switching
Power Supply	Internal battery backup and external DC connection
Enclosure	Small and robust pelicase with IP65 ingress protection

Built for field deployments

Designed to accommodate the needs of range and military users, GS-B conforms to the required MIL-STD specifications and can be set up within minutes.

The integrated battery supports the sounding system hardware and the mobile workstation when no power connection is available. The system is designed to integrate into the users' operations and supports fire weather, CBRN and other field deployments worldwide.

Advanced radio receiver

The state-of-the-art SDR receiver provides excellent reception performance combined with a high immunity to in-band and out-of-band interferences. This is shown in the class-leading performance values for rejection, dynamic range and third-order intercept point.

Antenna diversity is ensured by automatic antenna switching, between an omnidirectional antenna for high drift scenarios and a circular antenna for overpasses. Both antennas are equipped with amplifiers, which are remotely powered through the sounding system connection.

Intuitive grawMet software

The easy-to-use grawMet software sets a new standard in sounding processing. All relevant information can be visualised using various views including tables, graphs and maps.

During the sounding, both freely configurable and WMO standard messages are generated according to the user's wishes. The software, compatible with any standard PC running Microsoft Windows, simplifies the set-up and routine station operations, providing an easy to maintain sounding workstation.