

# Tolteq GUIDE MWD Surface System

The GUIDE MWD surface system is a complete, field-proven wellsite solution. The GUIDE system is the most compact and portable surface system available, enabling setup times of less than 20 minutes. Powerful and intuitive software drives optimized decoding and well archiving, and a customizable main screen and automated WITS capability ensure ease of use. Two configurable while-drilling sequences, in addition to the survey sequence, let the user determine exactly what needs to be displayed; in addition, automatic switching between sequences eliminates the concern of receiving the wrong information.

The complete GUIDE MWD surface system includes the following:

- Rig floor decoder
- Surface system interface
- MWD decoder software
- MWD desktop software for PC
- Pressure transducer (10,000 psi, 4 to 20 mA, hammer union)
- Two antennas with magnetic mounts
- Pressure transducer cable
- Tool interface cable
- Weather-proof Pelican™ case
- Laptop computer (optional)

The GUIDE system displays real-time shock, vibration, and RPM on the main screen, and lower bandwidth warnings or ranges can also be set up. Automated intelligent matrix filtering ensures that the GUIDE system receives the most data per pulse, with optimized decoding increasing the quality of the data. Two antennas provide freedom in placing the rig floor decoder, which typically would be hindered by cables. The GUIDE system eliminates the need to enter parameters, with the system selecting the best configuration and transferring WITS data in seconds. The surface system interface features an array of cable ports to enhance flexibility, including a transducer cable for pulse simulations, tool interface cable for direct tool communication, rugged N-type connector for wireless communication to the rig floor decoder, and a standard USB to connect to a PC.

