

# Blue Force<sup>®</sup> MWD Pulse

Designed with reliability, serviceability and rig integration as the main focus, the Blue Force MWD Pulse platform is the latest in MWD technology. Equipped with industry leading sensors and components, the Blue Force MWD Pulse is the solution for today's directional drilling needs.

[nabors.com](http://nabors.com)

## System

State of the art probe style positive pulse MWD system utilizing the latest technology and design techniques. It is a single probe style design that minimizes the number of tools per job and allows for in-field configuration changes and servicing.

## Features

The system utilizes the latest technology to reduce circuit board count and eliminate connectors. Proprietary electronics mounting inside the modules and internal compression mounting inside the collar reduces shock and vibration exposure.

## Measurements

- Standard Survey
- 6 Axis Vector Survey
- Gravity and Magnetic toolface
- Axial and Lateral S&V – Peak, RMS, Average
- Continuous Inclination
- Continuous Azimuth
- API Gamma Ray
- All measurements stored in memory at high resolution.

## Applications

Blue Force MWD Pulse can be run in a variety of modes to address the needs of the operation:

- Full directional mode behind a steerable motor with onsite personnel.
- Full directional mode behind a steerable motor operated from the Rigline 24/7™ remote operations center.
- Unmanned survey in straight hole applications where directional needs are minimal.
- Unmanned gamma logging for picking formation tops or logging to kick off point.

## Smart Telemetry

Blue Force MWD Pulse incorporates a telemetry switching scheme to maximize bandwidth use during rotating and sliding operations. This eliminates toolfaces while rotating when they are not needed to maximize log quality without sacrificing steerability while sliding.