

# Teledrift ProPulse Tool

The Teledrift™ ProPulse™ measurement-while-drilling (MWD) tool is a self-contained, positive-pulse, MWD tool used for stabilizing vertical drilling. The easy-to-use system is assembled, tested, and inserted into the Monel onsite. The integrated tool and surface-system programming eliminates user errors, while an intuitive interface quickly displays accurate information. Additionally, the tool is fully retrievable and has a wireless connection for electronic drilling recorder setup.

## Environmental

Max. operating pressure	15,000 psi (10.34 MPa)
Flow rates	100 to 1000 GPM (0.38 to 2.64 m <sup>3</sup> /min)
Max. operating temperature	302°F (150°C)
Max. sand content	<7% optimal
Max. LCM content	50 lb/bbl premixed nut plug

## Performance

Inclination accuracy	±0.2°
Inclination resolution	0.1°
Azimuth accuracy	±1.8°
Azimuth resolution	0.1°
TF resolution	2.8125°

## Additional sensors

Gamma range	Unlimited corrected API range
Gamma resolution	1 count

## Recorded data

All Surveys	All logged data Histograms of shock/vibration between surveys
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## Data – Real Time

Inclination, azimuth, total gravity field, total magnetic field, mag dip, and temperature



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## ProPulse Surface System

The ProView Elite surface system is easy to use, provides quick setup, and offers simple operating processes.

### Key Features

- Intuitive touch screen controls
- Integrated data management
- Survey management and reports
- Gamma log with LAS report
- Gamma, survey, and LAS printing
- Data storage and access capabilities
- Fail-proof setup

### Survey and LAS Reports

The surface system generates directional survey and LAS reports that can be reviewed and downloaded at any time. Survey reports can be downloaded to an external USB jump-drive via a port built into the surface system. Reports are preformatted in an easy-to-read text file and ready to print out as required.

### Survey and Toolface Management

The ProView Elite surface system offers instructions and readouts that provide awareness of the survey and toolface operation at any time. A timer display shows the operator exactly when the tool is ready to start pumps on for a survey. When the crossover angle has been reached, the surface system will read “M” for magnetic toolface and “G” for gravity. Both are also indicated on the rigfloor display to ensure the driller and operator are aware of what toolface is being used at that time.

### Intuitive Touch Screen Controls

All functionality of the ProView Elite surface system is controlled with a touchscreen laptop. The controls and flow of information are designed to be intuitive and user friendly.