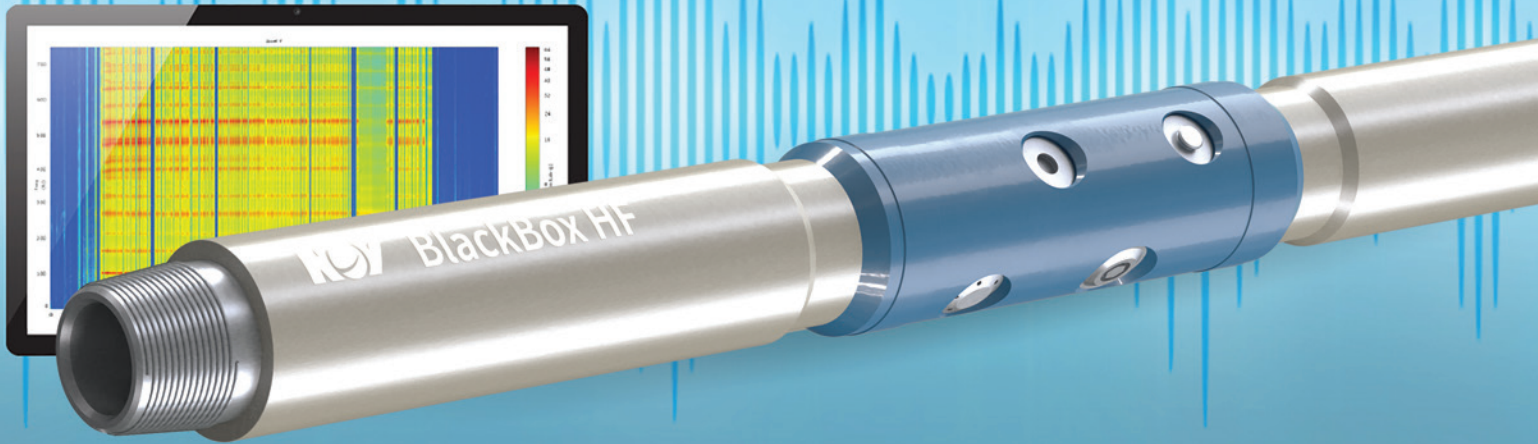


BlackBox HF Tool



Memory-mode tool provides increased accuracy, memory capacity, and higher data sampling rates for your drilling data needs.

The BlackBox™ HF collar-based, memory-mode logging tool is an extension of our BlackBox portfolio of memory drilling dynamics tools. The BlackBox HF tool builds upon the quality and reliability of the standard BlackBox Eclipse II and BlackBox EMS tools, adding increased accuracy, memory capacity, and higher data sampling rates. The streamlined, one-piece design and field-replaceable batteries/memory allow for quick turnarounds.

The BlackBox HF tool samples dynamics data at 1,500 Hz. In addition to vibration, the tool also measures WOB, TOB, Annular (AP) and Internal Pressure (IP), RPM, and temperature, all continuously recorded at 100 Hz. With a memory capacity of 8 GB, all of the high-speed data is recorded to memory. There is no need for downhole statistical downsampling, and the tool allows analysis of all the high-speed data at surface for the entire run. The tool also has a delayed start feature to accommodate various run lengths.

Features and benefits

- Three axis vibration channels sampled at 1,500 Hz
 - The high-speed sample rate provides the ability to identify high-frequency events such as high-frequency torsional oscillation and rock properties
- 8 GB of memory
 - Larger memory allows storage all of the data captured by the tool, giving the analyst a clear picture of downhole dynamics
- Delayed start feature
 - Allows the tool to conserve battery and extend runtime
- Removable memory
 - Allows the tool to immediately go back downhole