At the heart of Halliburton is well testing.
DynaLink®
TELEMETRY SYSTEM

Reliable, real-time, wireless downhole communication
Introducing the Halliburton DynaLink® Telemetry System, the first wireless, real-time connectivity for downhole equipment that’s bi-directional and proven reliable.

Efficient and Effective Data Acquisition
Every hour you save on testing directly translates into rig-cost savings. But you also need reliable information on your reservoir to make informed field-development decisions. Those decisions, if based on bad data, could hamper reservoir economics for years.

Halliburton’s reliable, new DynaLink® acoustic telemetry system can help you navigate an optimal course between these constraints. It helps ensure that you get reliable data quickly and efficiently without making unnecessary trips into the hole. By being able to analyze and respond to test data in real time, you can instantly direct tools to collect more information when and where it’s needed if you encounter unexpected conditions.

There are no time-consuming trips to read memory cards that may not provide sufficient formation data. Now, you can know what you’re getting instantly – without the expense and complexity of deploying tools on e-line.

Real-Time Data Ensures Thorough Testing
The DynaLink system’s latest telemetry technology uses acoustic energy for accurate, real-time wireless data communication, so you can make better, faster decisions.

With pressure ratings up to 20,000 psi and temperature ratings up to 302°F (150°C), the DynaLink system can be used reliably in the majority of wells worldwide. It even comes with a user-friendly software interface, enabling swift and simple deployment.

And, because the DynaLink system acquires real-time data at various depths in the drillstring, it enables constant monitoring of the wellbore conditions throughout the duration of downhole tests or operations.

Reliable, Flexible Data Acquisition
The DynaLink system works with tubing or wireline. It transmits acoustic energy through these mediums to and from technicians at the surface – without any additional cabling for communications.
  • Strategically placed repeaters boost the signal periodically to overcome attenuation.
  • A backup memory gauge provides redundant capabilities.
  • At the surface, a wireless station receives and transmits data.

Wireless Applications
• Drillstem Testing
• Pressure and temperature monitoring
• Sand Control
• Sampling
• Stimulation
Frequency Ensures Accuracy
Radio frequency shifting overcomes any noise in the hole, such as that created by hissing gas. Technicians simply communicate on a noise-free portion of the spectrum. This ensures that noise doesn’t distort critical information.

Safety and Reliability
Halliburton has conducted more than 10,000 hours of temperature, shock vibration and pressure tests to ensure the reliability of long-term mechanical, electronic and acoustic communications. The DynaLink system has already been deployed in more than a dozen countries.

Using the DynaLink system can also improve safety by reducing the number of people who need to be on the rig and potentially exposed to high pressures or hydrogen sulfide.

Activate Downhole Tools
Now, the DynaLink system’s acoustic telemetry technology can be used to actuate downhole tools like tester and circulating valves, bottomhole samplers, transmission control protocol (TCP) and more.

Powerful Capabilities for Remote Data Access
Combined with InSite® or InSite Anywhere® data management systems, the DynaLink system can help you access and share real-time well data from anywhere. The common database structure distributes information across the asset team as it’s collected — enhancing collaboration and productivity.

Contact Halliburton Today
Halliburton has the experience and the capability to deliver reliable, accurate, and complete data acquisition solutions specific to your well testing needs. For details, talk with your Halliburton representative, or email us at welltesting@halliburton.com.

DynaLink Telemetry System Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>302°F (150°C)</td>
</tr>
<tr>
<td>Pressure</td>
<td>20,000 psi</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1.25 in. OD</td>
</tr>
<tr>
<td>Repeater Length</td>
<td>61.65 in.</td>
</tr>
<tr>
<td>Communication</td>
<td>Bi-Directional</td>
</tr>
<tr>
<td>Sample Rate in Real Time</td>
<td>Up to 3 seconds</td>
</tr>
<tr>
<td>Sample Rate Historical Data</td>
<td>Up to 1 second</td>
</tr>
<tr>
<td>Transmission Distance</td>
<td>2,000 - 4,000 ft. (610 - 1,220 m)* (Between repeaters, up to 128 devices)</td>
</tr>
<tr>
<td>Surface Read Out</td>
<td>Cable or Wireless</td>
</tr>
</tbody>
</table>

Compact and Comprehensive
The DynaLink® system’s straight-forward design reduces operational complexity, simplifies transportation, and increases application flexibility for drillstem testing, fracturing, coiled tubing, sand control operations. Plus, its pipe body clamps can even be reused.
Partner confidently with Halliburton because as we continue our leadership with proven, comprehensive, fit-for-purpose well test solutions that are designed specifically for you to assess the financial health of your reservoirs, we’ve always been well testing. We’ll always be well testing. At the heart of Halliburton is well testing.
DynaLink®
Telemetry System

www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions in the contract between Halliburton and the customer that is applicable to the sale.

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