



Wireless Downhole Monitoring

Ensure the longevity and safety of your well with our two-way wireless communication system for downhole monitoring. Tysk enables you to wirelessly send signals from various downhole sensors to the surface from wells where an installation of cables is not possible.

Applications

- Monitor critical data for well production and completions, such as: frac offset monitoring, pressure monitoring, and long-term production monitoring.
- Ensure the longevity and safety of your well by observing real-time data about: speed of extraction, flow control, and pump health.
- Optimize your artificial lift systems with downhole fluid level measurements.

All of the hardware specifications of our downhole monitoring tool are customized, based on your existing workflow and rig build.

The table below is an example of one of our many custom builds.

Parameter	Tysk Downhole Monitoring Tool
Overall Length	5.2 m / 18' (with one battery)
Sonde Diameter	1 7/8" 1 3/4"
Pressure Rating	0-20,000 Psi (Can go up to 30,000 Psi).
Temperature Rating	175°C / 350°F <i>High-temp solutions available</i>
Downhole Battery Life	Up to 2 years (with one transmission every 24 hours)
Data Acquisition Rate	User Adjustable, from 5 seconds to 24 hours
Available Downhole Sensors	<ul style="list-style-type: none"> • Pressure, • Temperature, • Vibration, • Flow, • Your Proprietary Sensor.
Communication Inputs	<ul style="list-style-type: none"> • Analog inputs: 4 -20mA, 24V; 10VDC, 10mV/V. • Digital inputs: RS/232/485; CAN-bus. • Custom inputs available.

**An example of a custom-built Tysk assembly, designed with threads to hang underneath the production motor.*



Technical capabilities

- Wirelessly transmits within metal casings.
- No limit on how many and what kind of sensors Tysk can transmit.
- Unlimited number of borehole locations that can be monitored.
- Mechanically customized specifically for the well it will be installed in.
- Easy integration and maintenance.

Key Features

- Custom combination of downhole sensors.
- Adjustable data acquisition rate.
- Not constrained by wires.
- Extended battery life.
- Non-interfering with current workflow.
- Multiple monitoring locations.

Key Benefits

- Extended longevity of producing assets.
- Increased productivity.
- Cost-saving solution.
- Increased safety for your personnel.

Data Sheet, Revision 2020A