

## HPHT VISCOMETER FOR DRILLING APPLICATION



### TYPICAL APPLICATION FIELDS

- Oil drilling
- MWD, LWD
- HPHT

### THE SOFEAT IS A HPHT DESIGNED INSTRUMENT DEDICATED TO MEASURE VISCOSITY AND DENSITY FOR DOWNHOLE APPLICATIONS

The SOFEAT is a new vibrating inline process sensor able to withstand the most demanding conditions of pressure and temperature in order to operate downhole.

The Sofeat measures both viscosity and density of the fluid instantaneously and continuously. As the measurements are done directly in-situ it allows huge time savings avoiding analyzes of samples that have to be brought back to the surface.

- **Based on the proven vibrating technology of Sofraser:** Reliable, repeatable and continuous measurements combined with superior quality result in permanent production efficiency and increased profitability.
- **Designed for the harshest environment:** Withstanding 1100 bar at 175 °C, the sensor can be sent directly in the oil drill at various kilometers underground.  
It is driven by an electronics withstanding 125 °C.
- **Combined measurements:** The Sofeat offers combined viscosity and density measurements bringing extensive knowledge of oil deposits.

Whatever your industry, we understand and develop solutions for many applications. For a personalized approach, contact us at [instruments@sofraser.com](mailto:instruments@sofraser.com)