

REALology – Real-Time Drilling Fluids Rheology Monitoring System

REALology is a fully automatic system that continuously monitors drilling fluid's temperature, density and rheology. Accurate real-time drilling fluid properties now can be obtained every 5 minutes, which enables faster response to prevent and resolve downhole problems, including wellbore instability, narrow drilling window, cuttings accumulation and more, improving overall drilling performance and reduce NPT.

Real-Time Monitoring:

- Density (0~3 SG)
- Rheology Parameters: n , K , PV , AV , YP , τ_y
- Viscometer Reading: ϕ 600/ ϕ 300/ ϕ 200/
 ϕ 100/ ϕ 60/ ϕ 30/ ϕ 20/ ϕ 10/ ϕ 6/ ϕ 3/ ϕ 0 rpm



Features

- Suitable for WBM, OBM, & SBM.
- Modular Portable Design: 1.2m x 1.0m x 1.2m.
- Automatic "Clean/Air Purging".
- Rheology Parameters "Setting & Alarm System".
- Suitable for Wellbore Stability, Hole Cleaning, ECD and Other Modules.
- Remotely Control.