

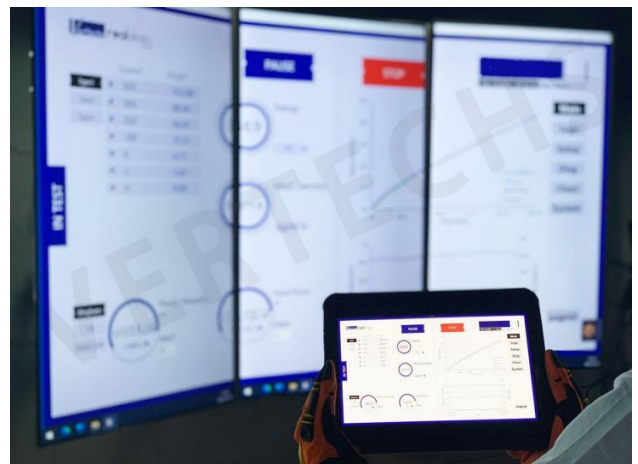
REALology Intelligent Drilling Fluids Monitoring System



REALology Intelligent Drilling Fluids Monitoring System is a fully automatic system that continuously monitors drilling fluid temperature, density and rheology. Accurate drilling fluid properties now can be obtained in real-time, which enables faster response to prevent and resolve downhole complexity, including wellbore instability, narrow pressure window, cuttings accumulation and more, improving overall drilling performance and reduce NPT.

FEATURES:

- Suitable for WBM, OBM, & SBM
- Modular compact design, fast installation and commissioning
- Autonomous operation up to 3 months, and the system could be controlled remotely
- Rheology parameters “setting & alarm system”
- Real-time monitoring data could be transferred to RTOC
- Software API open for wellbore stability, hole cleaning, ECD, and other software modules



Real-Time Monitoring:

- Density (0.00 ~ 3.00 SG)
- Temperature (32°F~ 212°F)
- Rheology Parameters: n , K , PV , AV , YP , τ_y
- Viscometer Reading: $\Phi 600 \sim \Phi 0$
- pH *
- Oil-water Ratio *
- Solid Content, LGS, HGS *



*Options