

# REALology – Real-Time Drilling Fluids Rheology Monitoring



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 15 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:  $n$ ,  $K$ ,  $PV$ ,  $AV$ ,  $YP$ ,  $\tau_y$
- Viscometer Reading:  $\phi$  600/  $\phi$  300/  $\phi$  200/  $\phi$  100/  $\phi$  60/  $\phi$  30/  $\phi$  20/  $\phi$  10/  $\phi$  6/  $\phi$  3/  $\phi$  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.