SK-EKD Early Kick Monitoring System

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Overview

- By installing a high-precision mass flowmeter at the drilling fluid outlet, the kick monitoring can changed from qualitative monitoring to quantitative monitoring to achieve higher monitoring accuracy. The system is faster than observing changes in the mud pool, and it is also found that well kick and lost circulation are not affected by surface mud losses.

Features

- A mass flowmeter is used to accurately measure the outlet flow, and provide early and accurate early warning of well kick and lost circulation based on the inlet flow data; flexible reception of various sensors and calculation parameters through the WITS interface;
- Support multiple alarm modes, with flexible application in various drilling and monitoring modes;
- The instrument panel indicates an alarm, which is more intuitive;
- The software adopts a 2-level alarm mode to meet different drilling monitoring requireme

Technical Indicators

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Maximum monitoring flow	60 t/min
Minimum monitoring flow	0.05 t/min
Flow measurement accuracy	+/- 0.5 %
Mud temperature	-50 °C ～ 200 °C
Diameter	DN200-DN300