

MUD FLOW IN AND OUT



Standard Flow Sensor

The standard flow sensor is the potentiometer paddle type. This sensor is mounted in the return flowline between the bell nipple and the shaker as close to the bell nipple as possible. The paddle is deflected according to the rate of flow and is usually calibrated in percentage flow (100% would be full deflection of the paddle). Should mud density or viscosity change greatly, the deflection of the paddle can be adjusted (requiring re-calibration) by changing the position of a counter weight.

Specifications

Fluid Velocity Range	0.1 m/sec to 1.0 m/sec
Accuracy	+/-2%,
Repeatability	1%
Operating Temperature	-25 °C to 85 °C
Storage Temperature	-40 °C to 85 °C