



TECHNICAL DATA SHEET

No. SPECS-DRL-054

ROLLING FLOW METER

Rev. 0

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TITLE: ROLLING FLOW METER

DEPARTMENT: TECHNICAL SUPPORT

DESCRIPTION:

The rolling flow meter is an advanced flow meter for open or closed pipes. It can be used in conjunction with the DLS Circulation Monitoring System Software and a Sonic or Magnetic Flow-in sensor to provide Full Kick-Detection.



A. Standard Unit Specifications.

GENERIC DESCRIPTION:	Rolling Flow Meter
BRAND (Sensor)	Sandia Laboratories
BRAND (Barrier)	Pepperl + Fuchs
MODEL (Barrier)	KFD2-PT2-Ex1
SENSOR TYPE:	Swinging arm with Potentiometer and rolling float with Hall Effect Sensor.
LOCATION:	Return Mud Flow Pipe (covered or open-trough)
MEASURING RANGE:	0-10 VDC (0-100% Flow)
SENSITIVITY:	0.015 VDC (0.15% Flow)
ACCURACY:	±0.1 VDC (±1% Flow)
APPROVALS/CERTIFICATION:	<u>BAS</u> : Intrinsically Safe EEx ia IIA
OUTPUT:	Chart Recorder, DLS System, Digital Monitors



APPROVAL:

Dept. Supervisor : VICTOR SAET

Date: 23rd July 2002

Technical Committee : ALAN MORRISON

Date: 23rd July 2002