Schlumberger

DIF

Digital in-line flowmeter

APPLICATIONS

- Fluid velocity and direction measurement in casing

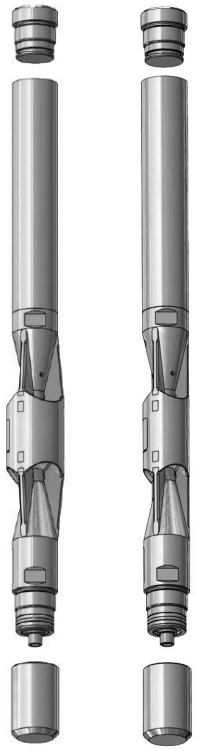
ADVANTAGES

- Folding spinner and cage assembly allows passage through tubing restrictions, opening to the maximum size in casing for improved low-flowrate performance
- Multiarm cage provides protection of large spinner
- Direct measurement of spinner rotational sense for fluid direction
- Optional spinner assembly for high-rate injection wells
- Low-friction bearings minimize threshold velocity

The digital in-line flowmeter (DIF) is a spinner flowmeter which provides a secondary spinner measurement in high-fluid velocities. It can be run anywhere in the production logging toolstring below the BMC. Different sizes exist for different tubings.

Technical Specifications	
Temperature Rating, degF [degC]	302 [150]
Pressure Rating, kpsi [MPa]	15 [103.4]
Outside Diameter, in [mm]	1 11/16 [43]
Service	H_2S service
Top thread	1 33/64 in 12 Stub ACME (BEST) female
Bottom thread	1 33/64 in 12 Stub ACME (BEST) Male

	DIF1	**DIF2**
Body OD, in [mm]	1 11/16 [43]	1 11/16 [43]
Shroud OD, in [mm]	1 11/16 [43]	2 1/8 [52]
Length, in [mm]	19.9 [505]	19.9 [505]
Weight, lb [kg]	7.3 [3.3]	7.5 [3.4]
Minimum Tubing size, in [mm]	2 3/8 [60.3]	2 7/8 [73]



DIF tool.