

DCF

Digital continuous flowmeter

APPLICATIONS

- Fluid velocity and direction measurement in tubing or casing

ADVANTAGES

- Rugged, well protected spinner impeller
- Linear response over large measurement range
- Direct measurement of spinner rotational sense, for fluid direction
- Minimized threshold velocity due to low-friction bearings
- Ideal for high-flow rate well

The digital continuous flowmeter (DCF) is a mechanical spinner that can be combined with the digital flowmeter cartridge to provide a flow measurement in the casing or in the tubing. Different diameters exist for different tubing sizes.

Technical Specification		
Temperature rating, degF [degC]	350 [177]	
Pressure rating, kpsi [MPa]	15 [103.4]	
Service	H ₂ S service	
Spinner pitch, in/rev [rps/fpm]	4 [0.05]	
	1 1/16 in tool	2 1/8 in tool
Body OD, in [mm]	1 1/16 [43]	1 1/16 [43]
Shroud OD, in [mm]	1 1/16 [43]	2 1/8 [52]
Length, in [mm]	10.2 [260]	11.0 [280]
Spinner OD, in [mm]	1.40 [35.6]	1.77 [45]
Minimum tubing size, in [mm]	2 1/8 [60.3]	2 1/8 [73]



DCF section.