

Sondex



DESCRIPTION

The Sondex In-Line Spinner Flowmeter is a very short flowmeter with an electrical through connection. When run in combination with a fullbore flowmeter the ILS allows for production profiling in tubing and casing within one logging run. It may also be used as a backup flowmeter especially for horizontal well logging where the fullbore spinner may get damaged by debris in the well.

The tool is very durable and particular attention has been paid to the protection of the spinner unit. This Flowmeter performs in all well orientations from vertical to horizontal.

OPERATING PRINCIPLE

The spinner is mounted by precision roller bearings and rotation detection is through zero drag Hall effect devices, giving very low threshold and optimising low flow measurement. At high flow rates the Flowmeter is similarly reliable due to the precision bearings employed in the assembly. The symmetrical spinner provides identical measurement of up and down flow, with directional information.

APPLICATIONS

- Production Profiling in Tubing across Sliding Side Doors.
- Tubing Leak Detection
- Back up spinner in Horizontal wells.
- Logging inside sand screens / slotted liners.

INTERFACING & TOOL COMBINATIONS

- Run Centralised at any Location in Tool String.
- Simultaneous Operation with other PLT Tools
- 1 ³/₁₆ UN 12 tpi Sondex GO or other Heads

OPTIONS

- High Temperature Polymer or Aluminium Impellers

SPECIFICATION

	Memory	Wireline
Supply Voltage	+12v DC	+60v DC
Current	5mA	15mA
Output	10 pulse/rev	
Max. Pressure	15k psi	
Max. Temperature	350 degrees F (177C)	
Tubing diameter	Min. 0.125" greater than tool o.d.	
Length (2 1/8")	21" (533mm)	
Measure Point	2.5" (64mm)	
Diameter	1 11/16" (43mm); 2 1/8" (54mm)	
Weight (1 11/16")	10.6lbs (4.8kg)	
Max Working Pull	5,600 lbs	
Threshold	Approx 12 ft/min	
Max. Fluid Velocity	>3000ft/min	
Materials	Corrosion Resistant Throughout	