

IN-LINE SPINNER FLOWMETER



In-Line Spinner (ILS) Flowmeter is designed to measure a wide range of flow rates inside the tubing or when the Full Bore Spinner collapses. Available in memory and SRO modes.

Applications

- Accurate fluid flow measurement in small diameters from 2 7/8" to 5 1/2"
- Detailed production/injection profiling
- Leak detection
- Perforations/SSDs/frac ports performance evaluation

Advantages

- Needle-type diamond bearings for extra low friction and easy rotation of the impeller
- Wide range of detectable flowrates
- 2 editions - autonomous and main module attached



Tool Specifications

Threshold	0.1 ft/min (0.3 m/min)
Detectable flowrate range in 6.125"	56.5-45,305.5 bpd (9.0-7,203.0 m ³ /d)
Impeller diameter	1.38 in (35 mm)
Maximum operating pressure	14,500 PSI (100 MPa)
Maximum operating temperature	150°C (304°F)
Tool OD	1.50/1.65 in (38/42 mm)
Tool length	2.3/1.0 ft (0.7/0.3 m)
Tool weight	7.7/4.4 lbs (3.5/2.0 kg)
Connections	15/16 SR
Operational time	Over 100 hrs
H ₂ S resistance	6% standard (25% optional)
Surface read-out / Memory	Both

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The ILS in combination with the FBS allows continuous production profiling in pipes of different diameters within one logging run.

The ILS could also be used as an additional/backup flowmeter for highly deviated and horizontal wells with complicated wellbore trajectories, open hole sections, and tough wellbore conditions where the FBS may get damaged or collapsed.

