

PRODUCT SPEC SHEET

STANDARD FLS

Scientific Drilling's Standard FLS (Flow Logging System) provides a high quality and cost-effective solution to define the well flow profile.

The compact modular system offers the following sensors for both memory and real-time data acquisition:

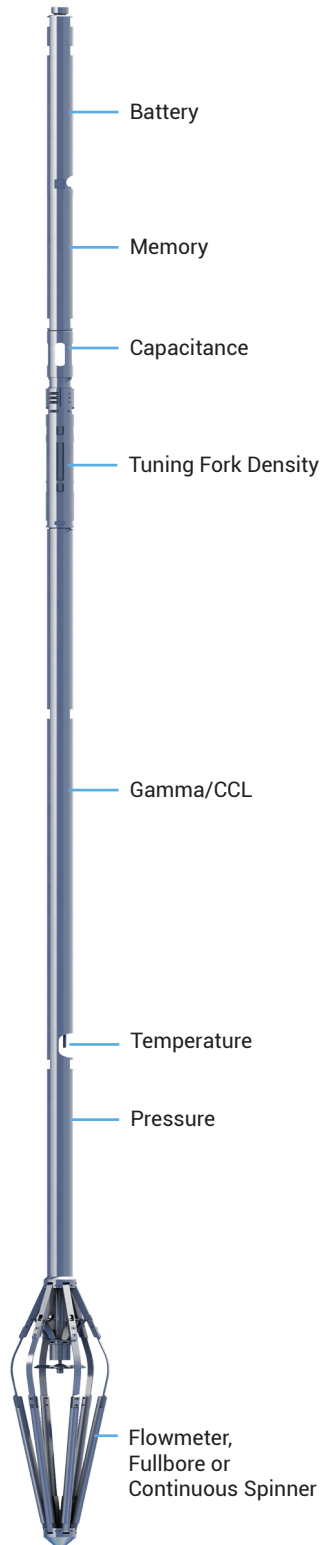
- Casing Collar Locator (CCL)
- Gamma Ray
- Pressure
- Temperature
- Spinner Flowmeter
- Capacitance
- Fluid Density

DELIVERING THE ULTIMATE VALUE

- Pressure control is simplified and safer in slickline operations
- Batteries can be adapted for extended runs (~ 10 days)
- Cost-effective and reliable method of coiled tubing

TARGET APPLICATIONS

- Flow profiling with single or up to 3 phase fluids
- Leak Detection
- Coil tubing conveyed data acquisition in memory and real-time



TECHNICAL SPECIFICATIONS	
Pressure Rating	16,000 psi (110,316 kPa)
Temperature Rating	325°F (163°C)
Memory	Non-volatile, 48 MB
Pressure Sensor Accuracy / Resolution	High Accuracy Quartz ±3.0 psi / 0.01 psi
Temperature Sensor Accuracy / Resolution	High Accuracy Platinum Resistance ±1.8°F (1°C) / 0.02°F (0.01°C)
Fullbore Spinner Resolution Type	Minimum 0.1 rps with direction 4-Arm / 6-Arm
Continuous Spinner Resolution Outer Diameter Range	Minimum 0.1 rps with direction 1.5 - 3.5 in
Gamma Ray Crystal Detector	Sodium Iodide (NaI) Scintillation
Casing Collar Detector Type Measurement Frequency	Magnetic Flux 50 samples per second
Tuning Fork Density Accuracy / Resolution Range	0.003 g/cc / ±0.001 g/cc 0.0 g/cc – 1.2 g/cc
Nuclear Fluid Density Accuracy / Resolution	0.03 g/cc ± 0.01 g/cc
Centralizers	Over-body or In-line

**Specifications are subject to change without notice.