## Vu can TM FLS 1.44 flow logging system technical data sheet

Scientific Drilling's Vulcan™ FLS (Flow Logging System) 1.44 is the slimmest, flasked, full-function production logging tool in the industry.

This high-temperature system offers the following sensors:

- + Casing collar locator (CCL)
- + Gamma ray
- + Pressure
- **+** Temperature
- Spinner flowmeter
- + Fluid capacitance
- + Tuning fork density

For more information on Scientific Drilling's range of cased hole services, contact your Scientific Drilling sales representative or visit: http://scientificdrilling.com/cased-hole-services

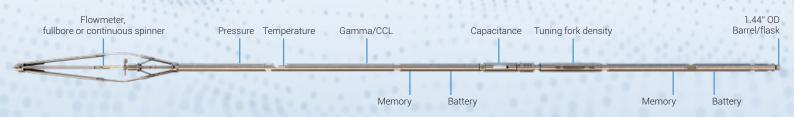
MAXIMUM TEMPERATURE**	600°F (315°C)	
MAXIMUM PRESSURE	16,000 psi (110,316 kPa)	
MEMORY	Non-volatile, 48 MB	
TEMPERATURE SENSOR ACCURACY/RESOLUTION	High-accuracy platinum resistance ±1.8°F (1°C) / 0.02°F (0.01°C)	
PRESSURE SENSOR ACCURACY/RESOLUTION	High-accuracy quartz ±3.0 psi / 0.01 psi	
FULLBORE SPINNER RESOLUTION, TYPE,	Minimum 0.1 rps with direction 4-Arm / 6-Arm	
CONTINUOUS SPINNER RESOLUTION & OD RANGE	Minimum 0.1 rps with direction 1.5 - 3.5 in	
GAMMA RAY CRYSTAL DETECTOR	Sodium iodide (Nal) scintillation	
CASING COLLAR LOCATOR Type & Measurement Frequency	Magnetic flux 50 samples per second	
TUNING FORK DENSITY ACCURACY / RESOLUTION & RANGE	0.03 g/cc / ±0.001 g/cc 0.0 g/cc - 1.2 g/cc	
CAPACITANCE RANGE	0 - 100% (Dependent on water hold-up)	
TUNING FORK DENSITY & CAPACITANCE TEMPERATURE RATING	428°F (220°C)	
CENTRALIZERS	Over-body or In-line	
HOUSING DIAMETER	1.44 in (36.5 mm)	

## **APPLICATIONS**

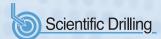
- HPHT multiphase flow profiling
- HPHT leak detection ÷
- ÷ Geothermal flow profiling
- ÷ Memory data acquisition

## **BENEFITS**

- Slickline conveyance simplifies pressure control for safer operations
- + Compact and slimline tool string allows deployment in height-restricted areas
- Slim design provides exceptional manueverability within difficult wellbores



\*\*Max. temperature rating dependent on run duration



\*Specifications are subject to change without notice