Technical Specification Sheet

Flowmeter and Temperature Electronics - $1^{11}/_{16}$ in.

The Flowmeter and Temperature Electronics (FLTE01) is used in with both the Full Bore Spinner (FBSM01) and the Fixed Cage Spinner Mechanical (FCSM01-02) range of products. A dedicated hall effect array provides ten pulses per revolution flowmeter output and a fast response PRT measures well bore temperature.

Ratings & Dimensions

Max temperature	350°F (177°C)
Max pressure	15,000 psi (103.4 mPa)
Outer diameter	1.69 in (43.0 mm)
Length	14.6 in (371.0 mm)
Weight	7.2 lb (3.3 kg)
Materials	Corrosion resistant materials used throughout

Flowmeter Measurements

Output	10 pulses per revolution
Maximum RPS	200
Resolution	2 ft (0.61 m) /min in water
Accuracy	+/- 2 ft (0.61 m) /min in water
Velocity Max	4,000 ft (1,219.2 m) /minute with 4.0 in (10.16 cm) pitch spinner

Temperature Measurements

Range	-40 to 350°F (-40 to 177°C)
Resolution	0.006°F (0.003°C)
Accuracy	0.9°F (0.5°C)
Linearity	0.5°F (0.15°C)
Response Time	~ 0.5 seconds

Hardware Characteristics

Combinability	All HD tools (RADii, iQ, PL, RAS, etc)	
Acquisition Mode	Real-time (with TCU)	Memory (with MLT)

Electrical Specifications

Voltage	50V DC	19V DC
Current	7 mA	16 mA

Applications

Production logging flow & injection profiling
Conventional temperature logging
Leak detection, gas inflow points, top of cement
Basic “Fracture Height” determination
Flow behind pipe

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