

# FLOWMETER AND TEMPERATURE ELECTRONICS - HD - 1 11/16 IN.



**SKU:** FLTE01

**Categories:** [Cased Hole Wireline](#), [Fluid Velocity](#), [HD Platform™](#), [Production Logging](#)

## PRODUCT DESCRIPTION

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

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

### Flowmeter Measurements

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

### Temperature Measurements

<b>Range</b>	-40 to 350°F (-40 to 177°C)
<b>Resolution</b>	0.006°F (0.003°C)
<b>Accuracy</b>	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

<b>Voltage</b>	50V DC	19V DC
<b>Current</b>	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

Version Control: 2021.11.17

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***On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.***