Technical Specification Sheet

Array Fluid Velocity Tool - $1^{11}/_{16}$ in.

The Array Fluid Resistance Tool (AFV002) is a 6-sensor device designed to enable multiple fluid velocity measurements to be made across the well bore leading to identification of phase velocities when used in combination with the AFR002 and a suitable interpretation package.

The sensors are deployed across the wellbore and opening diameter can be restricted to avoid contamination from debris on the casing wall and to help avoid damage in open hole. Adjustment is continual and any diameter can be set. Sensor deployment is by means of parallel motion arms keeping spinner shafts parallel with the tool. The standard spinners are 0.6” diameter, the tool closes to 1.69”

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	49.8 in (1265.0 mm)
Weight	15.7 lb (7.1 kg)
Materials	Corrosion resistant materials used throughout

Sensor Specifications

Range	Adjustable up to 7”
Measure points	**Short:** 16.2 in (411.0 mm) **Long:** 14.4 in (367.0 mm)
Spinner diameter	0.6 in (15.24 mm)

Hardware Characteristics

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

Electrical Specifications

Current	7mA @ 50V	19mA @ 19V

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