Technical Specification Sheet

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

The Array Fluid Resistance Tool (AFR002) is a 12-sensor fluid ID device. 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.

Conductive brine and non-conductive hydrocarbons can be identified allowing water hold up to be determined in any flow regime and at any wellbore deviation. High speed sensor sampling optimize measurements for hydrocarbon identification in high water cuts.

Ratings & Dimensions

Max temperature	350°F (177°C)
Max pressure	15,000 psi (103.4 mPa)
Outer diameter	1.69 in (43.0 mm)
Diameter (sensors)	1.77 in (45.0 mm)
Length	46.2 in (1175.0 mm)
Weight	18.0 lb (8.2 kg)
Materials	Corrosion resistant materials used throughout

Sensor Specifications

Range	Adjustable up to 7”
Measure points	26.5 in (674.0 mm)

Hardware Characteristics

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

Electrical Specifications

Current	10mA @ 50V	25mA @ 19V

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