

Array Fluid Velocity, Resistance & Capacitance Tool - 1¹¹/₁₆ in.



The Array Fluid Velocity, Resistance and Capacitance (VRC001) is a compact 6-arm multi-sensor array production logging tool. Each arm provides three measurements via a fluid velocity sensor, and a co-located fluid resistance and fluid capacitance sensor.

The sensor configuration offers optimal coverage of the wellbore cross section and the opening diameter of the arms can be adjusted to avoid contamination from debris on the casing wall, and to minimize risk of damage in open hole or horizontal sections.

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	80.0 in (2,003.00 mm)
Weight	35.0 lb (15.9 kg)
Measure point 3 x Flow	25.4 in (645.0 mm)
Measure point 3 x Flow	29.5 in (749.0 mm)
Measure point 3 x R & C	23.0 in (584.0 mm)
Measure point 3 x R & C	27.0 in (686.0 mm)
Materials	Corrosion resistant materials used throughout

General Specifications

Adjustment Range	Up to 9.0 in (228.6 mm)	
Deviation	0 - 180° and Tool rotation 0 – 360°	
Combinability	All HD tools (RADii, iQ, PL, RAS etc)	
Tool positioning	Centralized	
Acquisition mode	Real-time with TCU	Memory with MLT

Electrical Specifications

Current	40 mA @ 50 V	105 mA @ 19 V
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