



The Reservoir Analysis Sonde is a multi-detector pulsed-neutron tool for measuring reservoir saturation using Sigma and Carbon-Oxygen techniques. The sonde features three gamma detectors. The near and the far are high resolution Lanthanum Chloride detectors for Sigma and C/O. The long spacing is a Sodium Iodide detector with a spacing that is sensitive to gas and porosity. The tool can simultaneously measure Sigma and C/O using a mixed firing pattern for the neutron generator. Reservoir Geoscience support is available to map the measurements into reservoir properties such as oil saturation, porosity and rock type.

As with all Hunter Well Science downhole products, internal temperature is recorded to non volatile memory to enable detailed temperature exposure records to be maintained.

- 3 detector array that includes time and energy spectra
 - Combination Modes to run Sigma and C/O logs simultaneously
 - High-resolution Lanthanum Chloride detectors
 - Advanced calibration mechanisms to assure accuracy
 - Reservoir Geoscience support for specific characterization and interpretation
 - SRO or Memory Operation / Through Wired for Passenger tools
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Reservoir Analysis Sonde

Specifications		
Temperature rating	160°C	320°F
Pressure rating	103.4 MPa	15,000 psi
Diameter	43 mm	1 11/16 in.
Length	3573 mm	140.7 in.
Weight	20 kg	44 lb
Measure point - Near	2134 mm	84 in.
Measure point - Far	2311 mm	91 in.
Measure point - Long	2565 mm	101 in.
Materials	Corrosion resistant throughout	

Specifications courtesy of Hunter Well Science Limited



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