

## RESERVOIR ANALYSIS SONDE (RAS) - HD - 1 11/16 IN.



**SKU:** RAS002

**Categories:** [Cased Hole Wireline](#), [Formation Evaluation](#), [HD Platform™](#), [Pulsed Neutron](#), [RAS](#)

## PRODUCT DESCRIPTION

The Reservoir Analysis Sonde (RAS002), is a multi-detector pulsed-neutron system 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.

Operating on Probe's fast tool bus the RAS002 can be run in combination with any HD product.

### Ratings & Dimensions

<b>Diameter</b>	1.69 in (43.0 mm)
<b>Length</b>	140.7 in (3573.0 mm)
<b>Weight</b>	51.0 lb (23.0 kg)
<b>Max temperature</b>	320°F (160°C)
<b>Max pressure</b>	15,000 psi (103.4 mPa)
<b>Measure Points</b>	Near: 80.0 in (2032.0 mm) Far: 87.0 in (2210.0 mm) Long: 95.0 in (2413.0 mm)
<b>Materials</b>	Corrosion resistant materials used throughout

### Hardware Characteristics

<b>Source Type</b>	3 detector array that includes time and energy spectra
<b>Sensor Type</b>	High-resolution Lanthanum Chloride
<b>Acquisition</b>	Real-time with TCU   Memory with MLT

## Measurements

**Type** Sigma, C/O, Oxygen Activation, Inelastic Gas

Version Control: 2021.11.29

---

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