

SPECTRAL GAMMA RAY & CCL TOOL - 2.75"

The Spectral Gamma Ray & CCL Tool operates on our common tool bus and can be combined with the Reservoir Analysis Sonde, Production Logging Tools or both.



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Category: [Formation Evaluation](#)

PRODUCT DESCRIPTION

The Spectral Gamma Ray & CCL Tool operates on our common tool bus and can be combined with the Reservoir Analysis Sonde, Production Logging Tools or both.

The SGRCL02 consist of a Casing Collar Locator sensor (CCL) signal and a Sodium Iodide gamma-ray detector and electronics. The tool outputs are total GR counts, a 256 channel spectrum of gamma ray energy and the CCL signal. Processing on the surface system analyzes the gamma ray spectrum for the three most common natural radioisotopes: potassium (K), uranium (U) and thorium (Th).

Data from the SGR processing is used for mineral composition and Clay Volume calculations. The tool may also be used for isotope identification during fracturing operations and may provide useful insight to RA deposits in and around the wellbore.

Advanced Solutions

The SGR can be used to confirm isotope placement in fracturing operations and may be combined with both conventional and array type production logging tools for post frac flow contribution evaluation.

The RAS & SGR combination provide an exceptional solution for shale gas logging applications.

The RAS data set includes the long-spaced detector which has increased sensitivity to gas. In shale plays the free hydrocarbon content is often related to Total Organic Content (TOC) of the shale and carbon-oxygen logging is the only direct measurement of carbon. The addition of the SGR in the analysis set improves clay volume calculations and often the uranium content often correlates to TOC. Together, the RAS and SGR provide high confidence measurements in your shale reservoirs.

Specifications

Max OD: 2.75in. (70mm)

Length: 47.7in. (1212mm)

Material: Titanium

Max Logging Speed: 25 fpm | 7.6 mpm

Precision: 0.5%

ONLINE TECHNICAL SPECIFICATION SHEET

Max Press: 15,000 psi

Max Temp: 320°F (160°C)

