



ALTOS

TECHNOLOGIES

DOWNHOLE INNOVATION

GRST LOGGING TOOL Series Natural Gamma Ray Module

Description:

Natural gamma ray module (GRST-B) provides the logging string with high resolution crystal GR counts that are proportional to the natural radioactivity of earth materials in a wellbore at every logged depth.

Most common sources of natural gamma rays are potassium, thorium, and uranium found at high concentrations in Shales and clays that give high natural radioactivity readings while sandstones have low radioactivity levels.

The produced log is used for correlation between wells, for depth correlation between open and cased hole logs, and for depth correlation between logging runs. This module can be combined with PSST (Pressure-temperature-CCL), to provide Depth correlation for TCP Perforation Guns. It can also be combined with FSMT (Fullbore spinner), and many others to provide a complete PLT answer in one run.

Technical Specifications	
Sensor type	PMT + NaI(Tl) Crystal
Range	0 – 65000 API
Calibration	5% measured value
Output Units	Gamma Ray API
Sampling rate	15 samples / sec
Operating temperature range	0-150 °C (300 °F)
Mechanical Specifications	
Diameter	43 mm (1-11/16") 38.1 mm (1-1/2") slim option
Length	766 mm
Max Working Pressure	1000bar / 15Kpsi
H2S resistant	YES
Acquisition software	WSS or MemLog PLT (Windows XP/W7/10)
Communication	CAN Bus, Telemetry and Memory mode ready

