

# GAMMA DUAL DENSITY CALIPER

## Technical Specifications

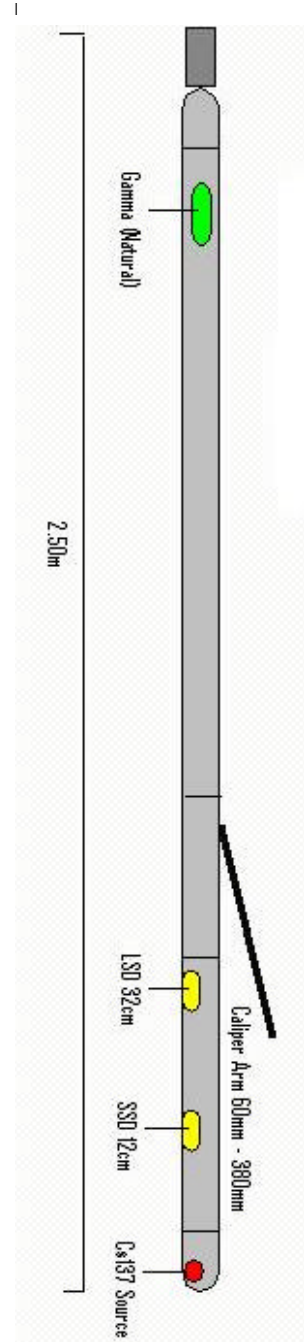
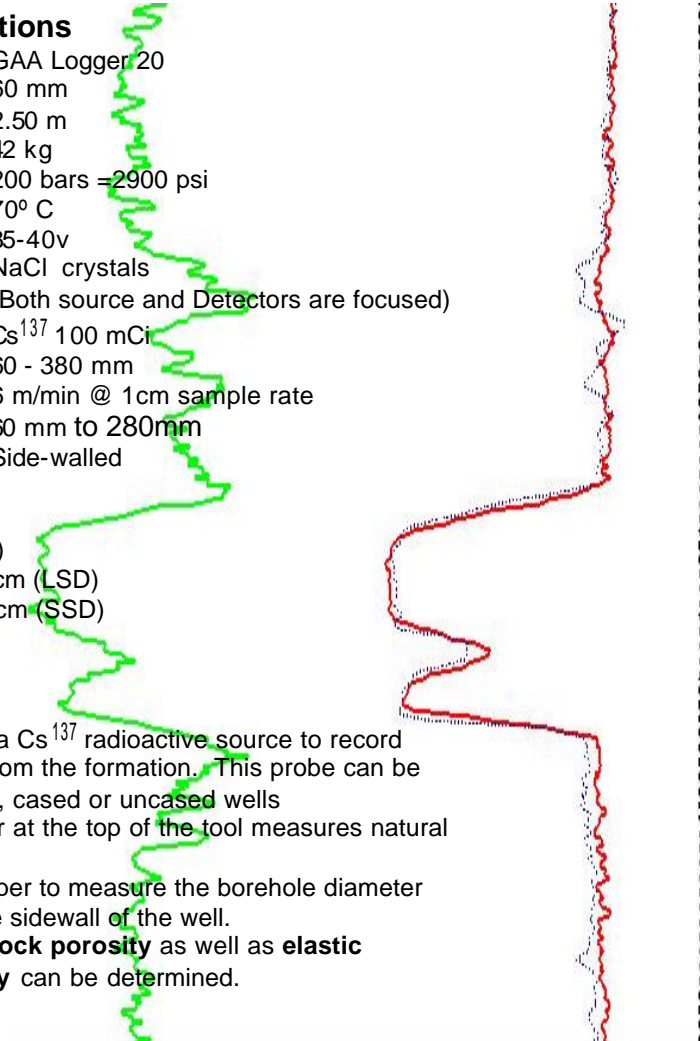
System Requirement	GAA Logger 20
Diameter	60 mm
Length	2.50 m
Weight	42 kg
Max. pressure	200 bars = 2900 psi
Max. temp.	70° C
Power supply	35-40v
Detectors	NaCl crystals (Both source and Detectors are focused)
Source	Cs <sup>137</sup> 100 mCi
Caliper: range	60 - 380 mm
Logging speeds	6 m/min @ 1cm sample rate
Hole diameter	60 mm to 280mm
Logging Mode	Side-walled

## LOG PARAMETERS

Natural Gamma Ray (GR)  
Long Spaced Density 32cm (LSD)  
Short Spaced Density 12cm (SSD)  
Caliper (CALI)

## APPLICATIONS

The FDS probe employs a Cs<sup>137</sup> radioactive source to record backscattered radiation from the formation. This probe can be used in dry or water filled, cased or uncased wells. A natural gamma detector at the top of the tool measures natural gamma radiation. There is a single arm caliper to measure the borehole diameter and push the probe to the sidewall of the well. From this **bulk density**, **rock porosity** as well as **elastic parameters** and **lithology** can be determined.



	SSD	
1	g/cc	
	SHORT SPACED DENSITY	
	LSD	
1	g/cc	
	LONG SPACED DENSITY	
GR		CALI
API	200	200 mm
GAMMA DUAL DENSITY TOOL		SINGLE ARM CALI

# GAMMA DUAL DENSITY CALIPER