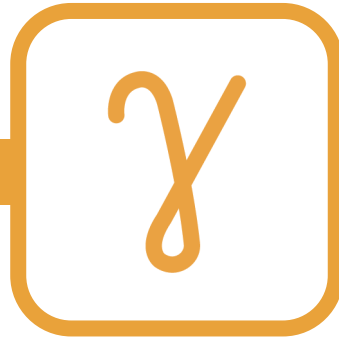


Gamma Logging Tools



Main Features

- **GRT-2 HP** The GRT-2 HP Gamma Ray Tool is a standard scintillation detector type production gamma ray tool housed within an in line ASR-1 body. This arrangement allows the GRT-2 to be inserted anywhere within an analogue ASR tool string or between the wireline adapter and TAS section within a Geochain™ string.
- **GRT-2 EHP** An additional variation has been built and tested for 30,000 psi operation. This variation offers a heavier weight, 3 1/4" diameter and is optimised for the Geochain EHP system.
- **GRT-5** This tool is housed within an in line GSR compatible body. The GRT-5 is run in "digital" gamma mode. In this mode the GRT-5 is connected immediately below the STAS. The STAS provides the gamma power and reads the gamma count via pin 3. The STAS transmits the gamma information to the surface digitally with all other status information in Geochain Slim's Monitor mode.
- **GRT-100** This gamma ray tool is housed within an in line GO body. The GRT-100 has been designed to run on the end of a GeochainSlim™ tool string. However as the tool is through wired it can also be used in conjunction with any compatible monocable tool string.
- **GRT- HP109** This UHT Gamma Ray Tool is a flasked scintillation detector type production gamma ray tool housed within an in line ASR-1 body. This arrangement allows the GRT-HP109 to operate for 10 hours at temperatures up to 500°F.

Functionality

- ASL gamma tools consist of a robust pressure housing, containing a sensitive scintillation detector and high temperature electronics which sends pulses representing detected gamma radiation to surface. Our gamma instruments can be fitted quickly and easily to both digital and analogue tool systems.
- Gamma ray tools are highly useful within borehole characterisation. Gamma ray tools measure the relative naturally occurring radiation adjacent to the well bore providing a tool for depth correlation and lithological identification.

Avalon Gamma Logging Tool specification comparison table

Specifications	GRT-2 HP	GRT-2 EHP	GRT-5	GRT-100	GRT-HP109
Length	33.5"(853mm)	33.5"(853m m)	28" (720mm)	24" (618mm)	72" (1828mm)
Diameter	3" (76mm)	3" (76mm)	1-11/16th" (43mm)	1-11/16th" (43mm)	3" (76mm)
Weight	26lb (12kg)	38lb (17kg)	9lb (4.1kg)	8.4lb (3.8kg)	52lbs (24kg)
Temperature	350°F (180°C)	350°F (180°C)	350°F (180°C)	350°F (180°C)	500°F (260°C)
Pressure	25,000 psi (1750 bar)	30,000 psi (2070 bar)	20,000 psi (1375 bar)	20,000psi (1375 bar)	20,000psi (1375 bar)
Connection	ASR	ASR	STAS	GO 1 Monocable	ASR
Operating Voltage	+60V DC	+60V DC	+60V DC	+60V DC	+60V DC

SURFACE PANELS

