



Product Introduction

175° C Azimuthal Gamma Module (SNM-175GR)

Introduction

The 175°C Azimuthal Gamma Module is designed specifically for high-angle directional and horizontal well operations. It can precisely indicate the approach and crossing of formation boundaries in complex formations and thin reservoirs while providing critical directional information. This provides reliable reference for geological engineers to plan wellbore paths and implement real-time geosteering, significantly improving reservoir encounter rate.

Features

- /// Dual-channel gamma measurement in real time, providing four directions gamma and total gamma during building, dropping and sliding & rotating
- /// Integrated high-precision environment correction algorithm and advanced orientation algorithm to improve the recognition accuracy and stability of orientation signal
- /// Built-in high-precision clock, real-time measurement and recording of drilling speed, vibration, stick-slip and other working condition information
- /// Meet the customization requirements, realize the third-party MWD/LWD system connection





Product Introduction

Application

The upper and lower gamma data provided by the module can help guide personnel to provide clear stratigraphic reservoir position and interface, and help directional technicians to adjust the trajectory in time. During the construction operation of 201H69 platform in southwest area, the total construction footage is 6455m, and the total time in well is 3108.5h.



System Specifications

Working temperature	-40 ~ 175 °C
Max. Working Pressure	25kpsi
Sensitivity	0.52CPS/API
Measurement Accuracy	±5% F.S.@150 °C ±10% F.S.@175 °C
Measurement Sector	Supports 8 real-time sectors, 16 memory sectors
Measurement Range	0 ~ 1000API
Max. Working Speed	350rpm
Operating Voltage	18 ~ 36VDC
Vibration	20g RMS
Shock	1000g@0.5ms
Mechanical Size	φ48mm×2050mm
Contrast Ratio	1: 3.5