

# CNPS Gamma Probe

high vibration, low power consumption, high precision choice

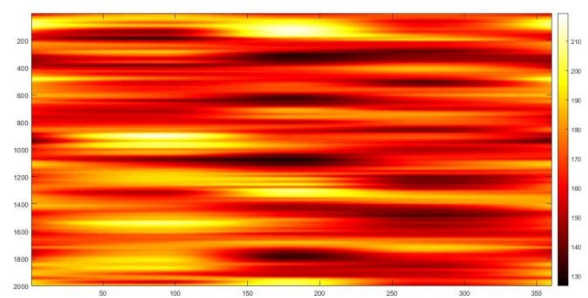
## CNPS Gamma Probe Profile

The CNPS detector azimuth gamma-ray is a kind of azimuth gamma-ray detector which is independently developed and adapted to the mainstream MWD pulser in the market. It has the advantages of high vibration resistance, low power consumption, simple and convenient operation, low maintenance cost, MTBF greater than 1000h, is a cost reduction and efficiency type of instrument choice.

As a part of the CNPS MWD system, the CNPS probed azimuth gamma effectively fills the gap of economical MWD products. It is equipped with large capacity memory and adopts imported gamma probe. The default mechanical structure is hard connection with 4/6-core connectors, and soft connection with 10-core self-locking connectors can be provided. With the help of CNPS MWD upper computer software, it can transmit 4 sectors of gamma data in real time and realize gamma imaging at the same time. With the data compression algorithm, 4 groups of gamma values can be transmitted to the ground within 40s with a comprehensive baud rate greater than 1bps. The lower machine stores up to 16 sectors of gamma value. Probing tube azimuth gamma ray has special application value to shale gas/oil and coalbed methane development.

## Performance Index

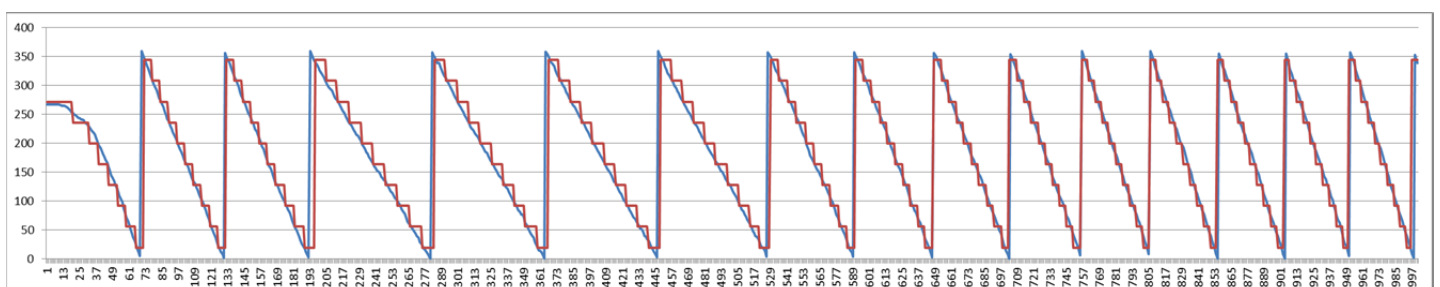
Parameter	Index
Length	1365mm
Weight	12kg
Temperature	175°C
Pressure	20000psi
Working Voltage	DC 20-38V
Impact	1000g 0.5ms 1/2 sine
Vibration	20g RMS 30~500 Hz random 25g 50~300Hz sine
Rated current	20mA
Accuracy	150°C ±5%/175°C ±10%
Speed	0-200rpm
Deviation range	30~120°



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Gamma imaging effect



Sector identification under rotating state (speed dynamic change)