

# SHENKAI



SK-GR gamma ray module can be used with TENSOR, the maximum working temperature is 175 ° C and pressure is 20000 PSI. SK-GR gamma ray module consists of electronic components and detector components. The detector component is equipped with a NaI crystal detector and a photomultiplier tube. SK-GR gamma ray module is used to measure the gamma radiation emitted by uranium, thorium, and potassium in the mineral composition of underground rock layers. SK-GR gamma ray module is suitable for measuring while drilling operations in directional wells, horizontal wells. SK-GR gamma ray module can help to design well trajectory and assess real-time geosteering for geological engineer, and can improve ROP. SK-GR gamma ray module is stable, reliable, easy for maintenance.

## Product Features

- Interface compatibility TENSOR System
- High shock&vibration resistance
- High sensitive NaI crystal detector and high reliable photomultiplier tube



| Specifications           |                              |
|--------------------------|------------------------------|
| Sensitivity              | 1.3 CPS/API                  |
| Tolerance                | ±5% to 150°C / ±10% to 175°C |
| Measuring range          | 1000 API                     |
| Rated temperature        | -20 ~175°C                   |
| Vibration 5-200Hz        | 20g RMS                      |
| Shock (Z axis)           | 500G, @0.5 mSec              |
| Shock (X or Y axis)      | 1000G,@0.5 mSec              |
| Operating Voltage Range  | 18-36VDC                     |
| Rated Current            | <20mA                        |
| Output(Negative-pulse)   | +5V to GND, 2-5μs            |
| Mechanical Specification | Φ47.6mm×1238mm               |