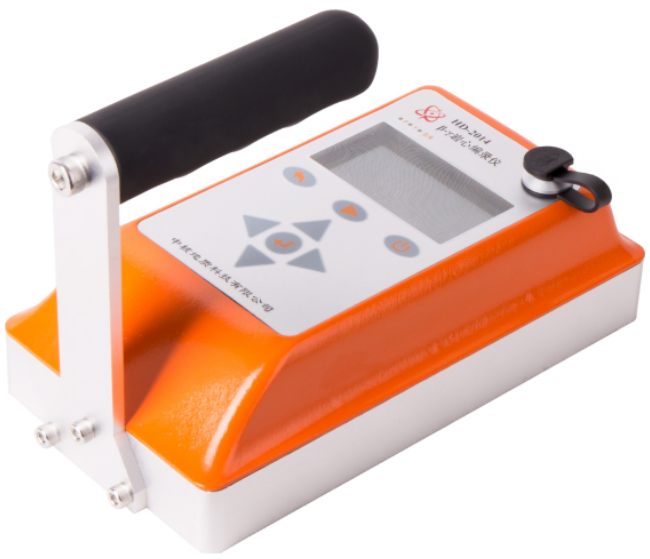
HD-2014 | β－γ 岩心编录仪
β－γ Drill Core Recorder



应用领域

地质钻探岩心的γ和β＋γ编录。测量岩(矿)心的铀镭平衡程度，划分矿化的取样段范围，在铀镭平衡破坏的偏铀地区，可有效地防止漏矿。

符合的标准／规程

- EJ/T 757-93《铀矿山γ辐射取样、γ编录标准》

Application Fields

Logging γ and β+γ curves of geological drilling core samples.

Measuring the uranium-radium equilibrium level of core. In the areas of uranium-radium equilibrium destruction and partial uranium, it can prevent leaking ore effectively.

The instrument meets the requirements of EJ/T 757-93 *The standard of gamma radiation sampling and logging at uranium mine.*

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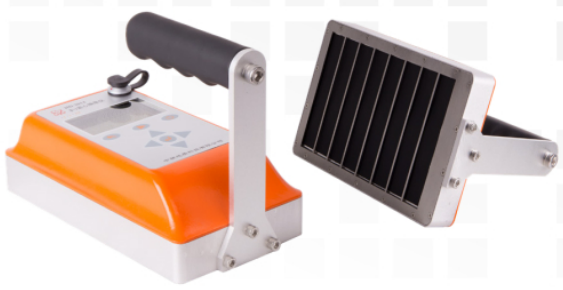

仪器特点

- 大面积塑闪与半导体组合探测器，灵敏度高，稳定性好
- 双通道β+γ和γ计数模式，摒弃传统的二次插屏测量法，工作效率高
- 一键式启动测量，便于操作
- 工业级四灰度LCD屏，低功耗，高对比度，亮度可调，更适合野外环境使用
- 多种数据接口，支持移动端APP操作
- 配备便携式蓝牙设备，可现场打印岩心β+γ曲线
- 一体化结构设计，体积小、重量轻，便于携带

Instrument Characteristics

- Large area plastic scintillator and semiconductor combined detector. High sensitivity, stability.
- Dual-channel β+γ and γ counting modes with high work efficiency.
- One-touch start measurement for easy operation.
- Technical grade four-gray LCD monitor, low power consumption, adjustable brightness, more suitable for use in outdoor environments.
- Multiple data interfaces, supporting mobile APP.
- Equipped with a portable Bluetooth printer, which can print core β+γ curves on site.
- Integrated structural design, small size, light weight, easy to carry.

技术指标

1. 测量范围
   铀　含　量：(0.01%～5%) eU
   照射量率：(0～2000) $nC \cdot kg^{-1} \cdot h^{-1}$
2. 含量灵敏度 (0.01%eU)
   $\beta + \gamma \geq 45\ s^{-1}$
   $\gamma \geq 60\ s^{-1}$
3. 起始能量阈：100 keV
4. 非线性：≤5%
5. 稳定性：相对误差 ≤5% (8h)
6. 准确度：最大允许误差 ±5%
7. 数据存储：10万测点数据
8. 电源功耗：锂离子充电电池，可连续工作40h以上
9. 使用环境
   温　　度：(-10～+50)°C
   相对湿度：≤95% (+40°C)
10. 外形尺寸和重量
    210mm×115mm×150mm（含把手高度）
    1.85 kg

Specifications

1. Measuring Range
   Uranium Content: (0.01% – 5%) eU
   Exposure Rate: (0 – 2000) $nC \cdot kg^{-1} \cdot h^{-1}$
2. Content Sensitivity (0.01%eU)
   $\beta+\gamma \geq 45\ s^{-1}$
   $\gamma \geq 60\ s^{-1}$
3. Start Energy Threshold: 100 keV
4. Nonlinear: ≤ 5%
5. Stability: RE ≤ 5% (8h)
6. Accuracy: MPE ±5%
7. Data Storage: 100000 sets of data
8. Power: Li-ion rechargeable battery can continuously work for 40h
9. Operating Environment
   Temperature: (-10 – +50)°C
   Relative Humidity: ≤ 95% (+40°C)
10. Dimensions and Weight
    210mm×115mm×150mm (including handle height)
    1.85 kg

仪器认证

核工业放射性勘查计量站检定并出具检定证书

Instrument Certification

Verified by Radioactive Exploration Measurement Station of Nuclear Industry and issued the verification certificate.

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