

铯光泵磁力仪

Cs Optical-pumping Magnetometer

一种基于碱金属原子的自激式光泵磁力仪，通过铯灯室激发、自激电路和移相处理等，实现地磁场的连续高精度测量。

主要技术指标：

- ◆ 测程范围：20000nT ~ 100000nT；
- ◆ 采样率：1 ~ 100Hz；
- ◆ 静态噪声：0.01nT；
- ◆ 梯度容限：≥ 5000nT/m。

One kind of self-excited magnetometers based on the alkali vapor optical pumped technology. Through the technology of self-excited tracking loop, it can be operated in continuous high accuracy magnetic field measurement mode.

Specifications:

- ◆ Measurement Range: 20,000 to 100,000nT;
- ◆ Sampling Rate: 1 ~ 100Hz;
- ◆ Noise Envelope: 0.01nT;
- ◆ Gradient Tolerance: ≥ 5000nT/m.

本磁力仪具有灵敏度高、梯度容限大、采样率高的优点，适用于地面、航空、水下的磁法勘探。

This magnetometer owns the advantages of high gradient tolerance and high sampling rate. It is suitable for terrestrial, aviation and marine magnetic surveying.



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