

## SM39A 编码盘传感器

## SM39A Code plate sensor

### 一、概述 Summarize

SM39A 编码盘传感器是石油工业中用于测量钻井深度的一种传感器。该传感器电流输出信号经长线传输仍稳定可靠，运转平稳，使用安装方便，可靠性高，便于维护。该传感器不仅适用于法国 GZS 公司综合录井仪，也可用于国内各类钻井录井仪器。

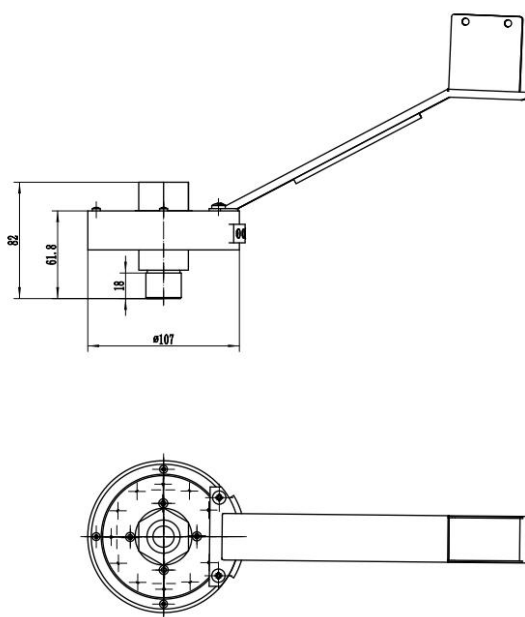
The SM39A code disk sensor is a sensor used in the petroleum industry to measure drilling depth. The sensor current output signal is still stable and reliable through long line transmission, smooth operation, easy to use and install, high reliability, easy to maintain. The sensor is not only suitable for the French GZS company integrated logging instrument, but also can be used for all kinds of domestic drilling logging instruments.

### 二、特点 Feature

- 抗震动、更适合国内钻机使用。
- 一体化机械结构，防溅水，安装简便。
- 嵌式检测元件，可靠性、安全性更高。
- 电流传输，抗干扰能力强。
- 感应式探头，不怕灰尘、油、水污染。
- Anti-vibration, more suitable for domestic drilling rig.
- Integrated mechanical structure, anti-splash, easy to install.
- Embedded detection element, higher reliability and safety.
- Current transmission, strong anti-interference ability.
- Induction probe, not afraid of dust, oil, water pollution.



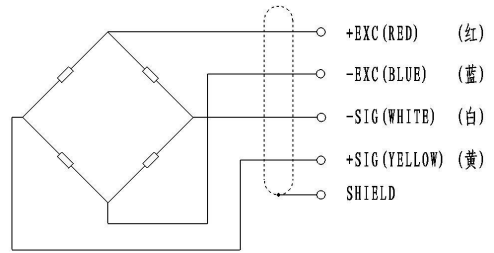
### Dimensions 外形尺寸 (In mm. 1mm=0.03937 inches)





**Circuit Diagram 电路图:**

Red: +input 红色: +激励  
Blue: -input 蓝色: -激励  
White: +output 白色: +信号  
Yellow: -output 黄色: -信号



**Specification 技术参数:**

Type	Technical parameters
Output signal	2 x 12 pulses/turn
working frequency	f=0 kHz ~ 80 kHz Fmax=100 kHz
Class precision	0.5%FS
Phase error	90° ±10°
working current	14mA-20mA
load impedance	800 Ω ~ ∞
Power supply	10~12 VDC
Operating temperature	-20 ~ +85°C