

# SK-2Z18 Drilling Parameter Instrument

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### Overview

- SK-2Z18 drilling parameter instrument is a new-generation drilling parameter monitoring system developed by Shanghai Shenkai Petroleum & Chemical Equipment Co., Ltd. It uses Siemens PLC or data collection, with Siemens HMI display, and transmits data to the base in a remote and real-time manner through WITS to achieve dynamic tracking of on-site operations, monitoring of production operations, early warning and prediction of engineering abnormalities.
- As the front-end equipment for well pad acquisition, SK-2Z18 drilling parameter instrument is powerful, stable, reliable, and easy to operate, laying a solid material foundation for oilfield digitization and informatization.



### Features

- The system adopts a fully-isolated explosion-proof design, and all components in the hazardous area meet IECEx or ATEX explosion-proof requirements.
- The system adopts a waterproof, dustproof, anti-corrosion and shockproof design, with a protection level exceeding IP65, which can meet the requirements of on-site harsh conditions.
- Siemens PLC is used to collect the sensor signals required during drilling, and to achieve anti-collision control of the crown block and anti-smashing control of the rotary table.
- Analog signal backup is provided for continuous recording in case of computer or touch screen failure.
- The system supports remote data access, with remote data communication functions to make decisions on the complex situation of the drilling site by making use of the powerful technical advantages of rear experts.
- An RS232 or Ethernet interface is selected according to the WITS standards to provide drilling and workover parameters to a third party.

### Technical Indicators

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Working temperature	-40~+60°C
Working humidity	<90%
Explosion-proof type	the drilling monitor meets the explosion-proof requirements of Zone II, and various supporting sensors meet corresponding explosion-proof requirements
Corrosion prevention	all outdoor components are provided with anti-corrosion measures, and marine cables are used to meet the requirements for working in the marine environment
Input voltage	220V±30%
Input frequency	35~65Hz
Power-on time after UPS power interruption	<15min

### List of accessories

Standard	drilling monitor	1 set
Standard	break-out-box	2 set
Standard	sensor	multiple sets
Standard	IPC	1 set