

SK-EP Brushless Motor Pulse Generator

The SK-EP pulse generator is a bottom set type DC brushless motor pulser compatible with Tensor standards. It uses a motor to drive the ball screw to drive the actuated valve, generating mud pressure pulses. The pressure balance adopts a piston type. The intelligent control driving circuit adopts energy-saving design and intelligent scale, and its excellent resistance to high temperature, high voltage, and high vibration performance makes it suitable for the harsh working environment.

Product Features

- Brushless motor design, low power consumption, and fast sending speed.
- Adopted shock-resistant design for vibration reduction.
- Small valve pull force with the actuated valve can reach 18KG, suitable for middle LCM.

High temperature resistance can adapt to even more harsh underground environments.

175

Temperature

20000Psi

Pressure

18KG

Small valve pull large

Technical Specification			
Environmental	Survival temperature	185°C	
	Operation temperature	175°C	
	Performance	Pressure	20000 psi
		Vibration	20g
		Shock	1000g @0.5ms halfsin
Power	Voltage	20~36VDC	
	Current	<40mA	
	Consumption	1W	
	Actuate force	≈40 lbs	
Mechanical dimensions	Diameter	47.6mm	
	Length	1821mm	
	Connector	6P/4S kintec	

Definition of connectors	
1	DNG
2	NC
3	NC
4	BATTBUS
5	QBUS
6	PULSE
7	FLOW
8	NC
9	NC
10	NC