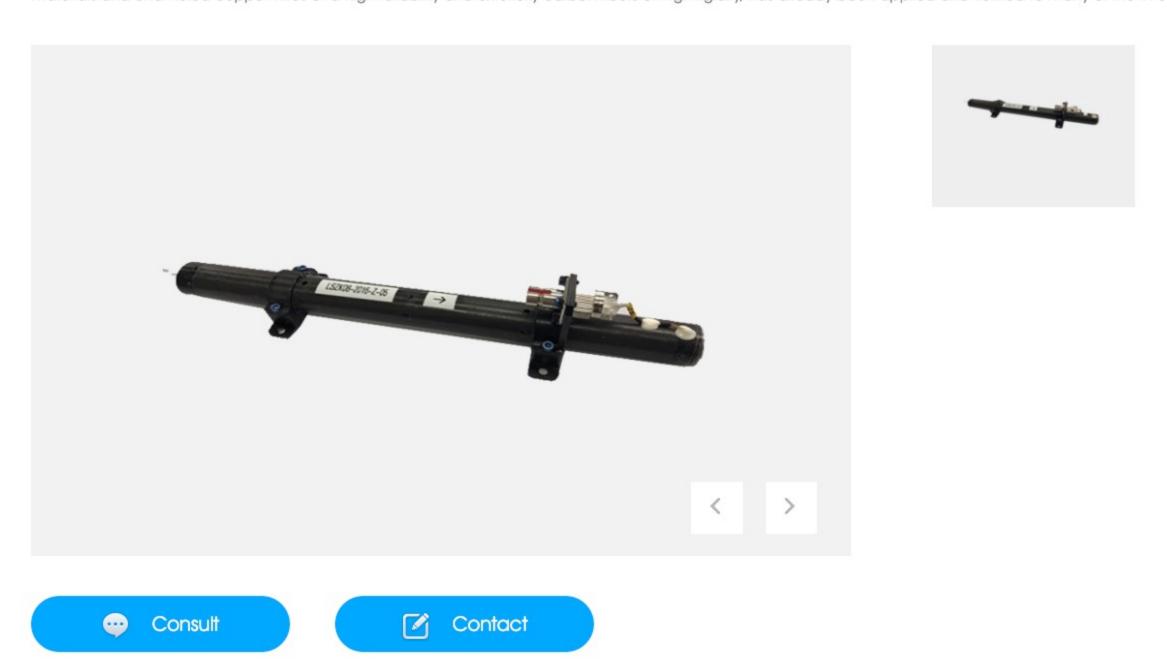
Magnetic Torquer

The magnetic torquer creates a magnetic moment to control the satellite attitude by interfacing with the magnetic field of the earth. The product designed interiorly with soft magnetic materials and enameled copper wires of a high reliability and exteriorly carbon fibers of high rigidity, has already been applied and verified to many of the in-orbit satellites of Jilin-1 series.



The main technical indicators

Technical Specifications	
Items	Specifications
Rated output magnetic moment	15Am²
Remnant magnetic moment	≤0.1Am²
Resistance value	24Ω
Time constant	≤80ms
Nonlinear deviation	<2%
Supply voltage	12V
Power consumption	≤3W
Environment suitability	Temperature: -10°C~+45°C
External envelope dimension	280mm×56mm×53.5mm
Weight	0.67kg±0.03kg
Designed lifecycle	15 Years
Homologous products	5Am²/10Am²/15Am²/20Am²/30Am²/100Am²
Delivery cycle	3 Months