

Product Model: HTS-GD2

The gyroscope with advantages of high precision, long life time, wide dynamic range, and high reliability. What now has been widely used in water surface and land strapdown system, fast true-north seeking instrument, helicopter light guidance platform, television antenna tracker, and so on. The gyroscope also can be used in spaceflight strapdown inertial system and the land, sea, aviation, spaceflight transporter strapdown and platform type attitude system.



Product Specification		
Random Drift (1σ)		≤0.03°/h
Drift Stability (1σ)		≤0.2°/h
g-independent		≤12°/h
g-dependent		≤3°/h
Frequency Response		≥60Hz
Max. Tracking Speed		≥60 °/s
Output Nonlinearity		≤0.1%
Life Time		≥5000
Power Supply(Three Phase)		500 Hz
		20V
Power Supply(Single Phase)		16 KHz
		7 V
Synchronous Speed		10,000
Power for Start Up		5 W
Operating Current		≤3 A
Synchronizing Time		≤20 S
Output Gradient		21±2 mv/°
Master torquer		50±3 Ω
Vice control torquer		2±0.5 Ω
Torquer scale factor	Master torquer	≥670 °/h/mA
	Vice control torquer	≥10 °/h/mA
Operation Temperature		-30~+65 °C
Shock Overload(8ms)		≥50 g
Dimension		Φ50*76 mm
Mounting flanges		52*52 mm
Weight		≤630 g