

Product Model: HTS-GD4

HTS-GD4 gyro with light weight, small size, and short start time, can be used in higher operating temperature, what now has been used in short-range missile strap-down attitude system, Oil drilling inclinometer tool and other products.



Can be used in all kinds of strapdown attitude system and the inertial measurement instrument with a higher operating temperature requirement.

Product Specification		
Random Drift (1 σ)		$\leq 0.2^\circ/\text{h}$
Drift Stability (1 σ)		$\leq 0.3^\circ/\text{h}$
g-independent		$\leq 15^\circ/\text{h}$
g-dependent		$\leq 8^\circ/\text{h}$
Frequency Response		$\geq 70\text{Hz}$
Max. Tracking Speed		$\geq 100^\circ/\text{s}$
Output Nonlinearity		$\leq 0.5\%$
Life Time		≥ 5000
Power Supply(Three Phase)		205 Hz
		10V
Power Supply(Single Phase)		8 KHz
		7 V
Synchronous Speed		6,015
Synchronizing Time		$\leq 10\text{ S}$
Output Gradient		7~10 mv/°
Master torquer		19 \pm 3 Ω
Vice control torquer		2 \pm 0.5 Ω
Torquer scale factor	Master torquer	$\geq 680^\circ/\text{h}/\text{mA}$
	Vice control torquer	$\geq 10^\circ/\text{h}/\text{mA}$
Operation Temperature		-20~+120 $^\circ\text{C}$
Shock Overload(8ms)		$\geq 60\text{ g}$
Dimension		$\Phi 35.4 \times 768\text{mm}$
Mounting flanges		38*38 mm
Weight		$\leq 380\text{ g}$