

Product Model: HTS-GD3

The gyroscope with long lifetime, wide measurement range and high reliability has been widely used in requirements of strap-down inertial measurement unit also can be used for high dynamic transporter attitude system.



Product Specification		
Random Drift (1 σ)		$\leq 0.1^\circ/\text{h}$
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		$\geq 200^\circ/\text{s}$
Output Nonlinearity		$\leq 0.5\%$
Life Time		≥ 3000
Power Supply(Three Phase)		500 Hz
		16V
Power Supply(Single Phase)		16 KHz
		5 V
Synchronous Speed		10,000
Synchronizing Time		$\leq 10\text{ S}$
Output Gradient		10~14 mv/°
Master torquer		7 \pm 1 Ω
Vice control torquer		2 \pm 0.5 Ω
Torquer scale factor	Master torquer	$\geq 600^\circ/\text{h}/\text{mA}$
	Vice control torquer	$\geq 10^\circ/\text{h}/\text{mA}$
Operation Temperature		-40~+65 $^\circ\text{C}$
Shock Overload(8ms)		$\geq 60\text{ g}$
Dimension		$\Phi 34*64\text{ mm}$
Mounting flanges		36*36 mm
Weight		$\leq 320\text{ g}$