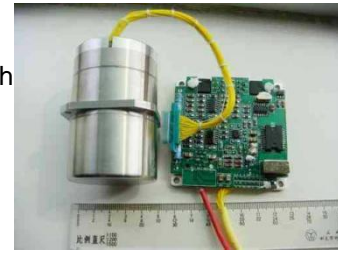


Product Model: HTS-GD1

The gyroscope with advantages as light weight, small size, and high precision. What are now widely used in Space strapdown attitude system, and also can be used in Ground, Maritime, Aviation, and Aerospace and other transportation carriers and platform type strapdown attitude system.



| Product Specification | | |
|-------------------------------|----------------------|------------------------------|
| Random Drift (1 σ) | | $\leq 0.03^\circ/\text{h}$ |
| Drift Stability (1 σ) | | $\leq 0.2^\circ/\text{h}$ |
| g-independent | | $\leq 12^\circ/\text{h}$ |
| g-dependent | | $\leq 3^\circ/\text{h}$ |
| Frequency Response | | $\geq 60\text{Hz}$ |
| Max. Tracking Speed | | $\geq 60^\circ/\text{s}$ |
| Output Nonlinearity | | $\leq 0.1\%$ |
| 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 | | $\leq 3\text{ A}$ |
| Synchronizing Time | | $\leq 20\text{ S}$ |
| Output Gradient | | $21 \pm 2\text{ mv/}^\circ$ |
| Master torquer | | $50 \pm 3\ \Omega$ |
| Vice control torquer | | $2 \pm 0.5\ \Omega$ |
| Torquer scale factor | Master torquer | $\geq 670^\circ/\text{h/mA}$ |
| | Vice control torquer | $\geq 10^\circ/\text{h/mA}$ |
| Operation Temperature | | $-30 \sim +65^\circ\text{C}$ |
| Shock Overload(8ms) | | $\geq 50\text{ g}$ |
| Dimension | | $\Phi 55 * 84\text{ mm}$ |
| Mounting flanges | | $58 * 58\text{ mm}$ |
| Weight | | $\leq 630\text{ g}$ |