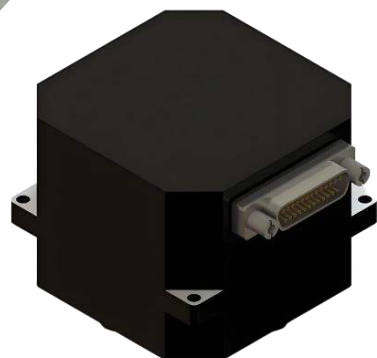




RING LASER GYROSCOPES



www.memsmag.com



G-R30 TACTICAL GRADE

Single Axis Ring Laser Gyroscope

Zero Bias Stability	0.05~0.1°/hr(1σ,10s)
Zero Bias Repeatability	0.05°/hr(1σ)
Random Walk Coefficient	0.005 °/√h
Scale Factor.....	6.5arc-second/pulse
Scale Factor Error.....	≤15ppm (1σ)
Dynamic Range.....	±1000°/s
Starup time.....	≤5s
Voltage.....	±15V, ±5V
Shaking frequency.....	1339~1358/1473~1493/1543~1545Hz
Size.....	50*50*41mm
Weight.....	280±15g

G-R50 TACTICAL GRADE

Single Ring Laser Gyroscope



Zero Bias Stability	0.007°/hr(1σ,10s)
Zero Bias Repeatability	0.003°/hr(1σ)
Random Walk Coefficient	0.0016 °/√h
Scale Factor.....	3.422arc-second/pulse
Scale Factor Error.....	≤10ppm (1σ)
Dynamic Range.....	±800°/s
Starup time.....	≤5s
Voltage.....	±15V, ±5V
Shaking frequency.....	550~570/620~650/690~720Hz
Size.....	72*72*48.1mm
Weight.....	380±15g





G-R70

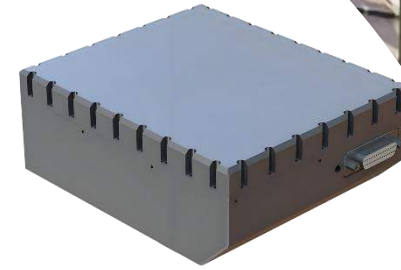
NAVIGATION GRADE

Single Ring Laser Gyroscope

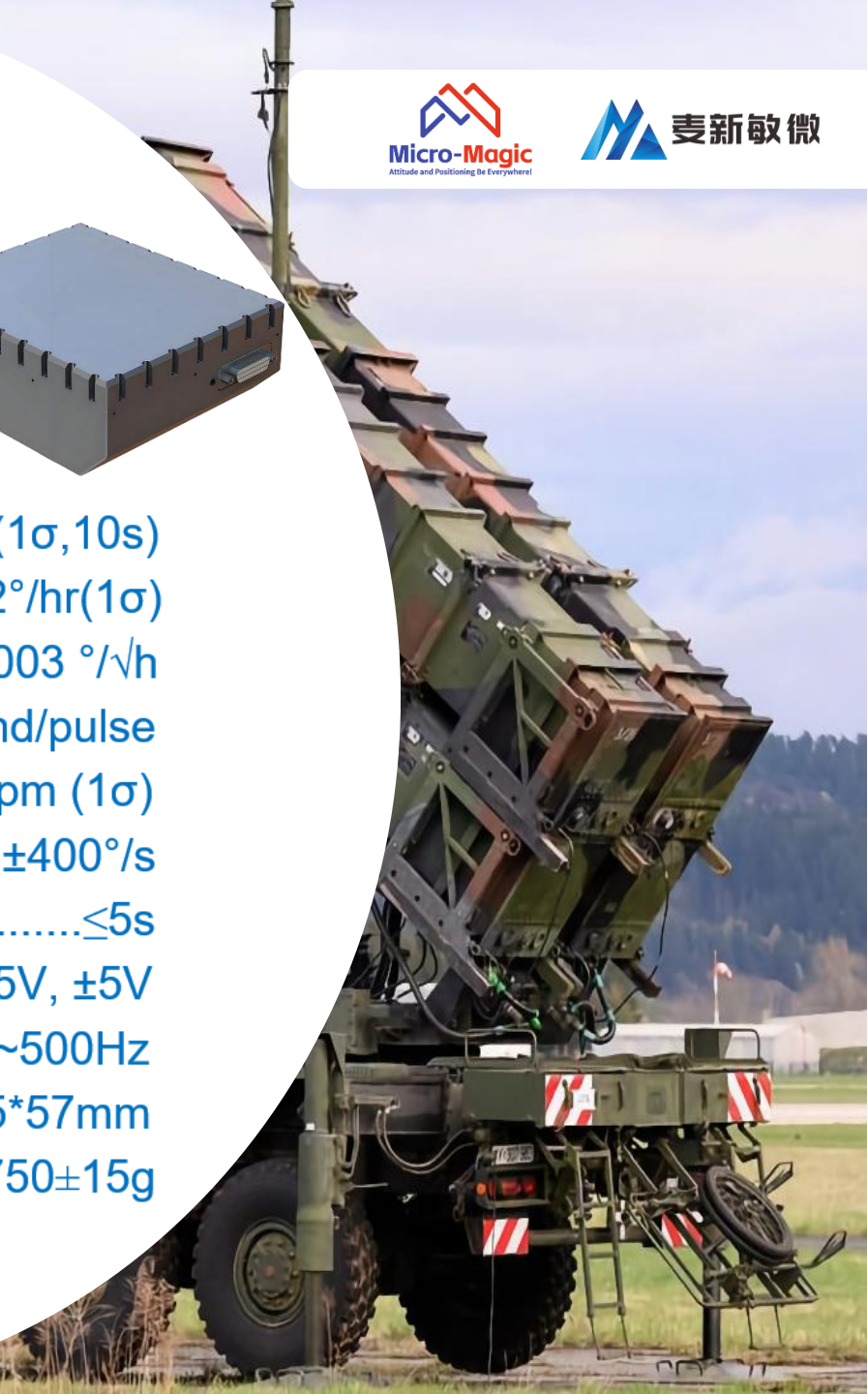
Zero Bias Stability	0.004°/hr(1 σ ,10s)
Zero Bias Repeatability	0.002°/hr(1 σ)
Random Walk Coefficient	0.0001 °/ \sqrt{h}
Scale Factor.....	3.422arc-second/pulse
Scale Factor Error.....	≤ 10 ppm (1 σ)
Dynamic Range.....	$\pm 800^\circ/s$
Starup time.....	≤ 5 s
Voltage.....	$\pm 15V, \pm 5V$
Shaking frequency.....	550~520/570~600/640~670Hz
Size.....	102*93*54mm
Weight.....	950 \pm 15g

G-R90 NAVAGATION GRADE

Single Ring Laser Gyroscope



Zero Bias Stability	0.002°/hr(1σ,10s)
Zero Bias Repeatability	0.002°/hr(1σ)
Random Walk Coefficient	0.0003 °/√h
Scale Factor.....	3.422arc-second/pulse
Scale Factor Error.....	≤5ppm (1σ)
Dynamic Range.....	±400°/s
Starup time.....	≤5s
Voltage.....	±15V, ±5V
Shaking frequency.....	300~500Hz
Size.....	147*125*57mm
Weight.....	1750±15g





The Leader in China Inertial Sensor Market



+8618151836753



+86-18621961329



sales@memsmag.com



Huaye Tech Park, Binjiang, Hangzhou, China



www.memsmag.com



Unmanned Aerial
Vehicles



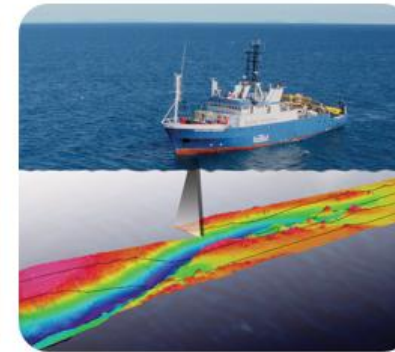
Satellites



Autonomous Vehicles



Remotely Operated
Underwater Vehicles



Maritime Echosounder
Application



Petroleum Extraction
and Exploration