

G-070

**Stored Energy Two-Axis Free Gyroscope
360°, one axis measuring.**

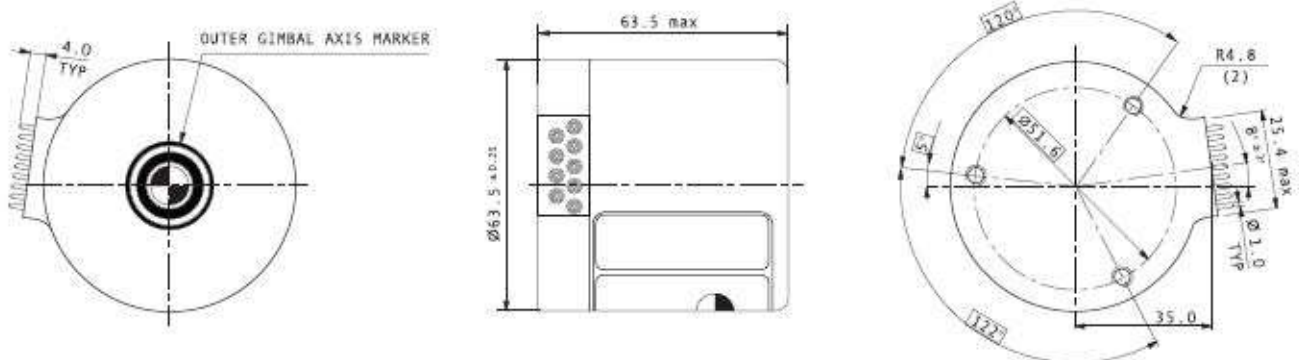
Miniature, lightweight, two-axis free gyroscope actuated by spring stored energy. Operates for at least 90 seconds. Specially designed to meet the need for short range, high acceleration missions. The G-070 has a single potentiometer on the outer gimbal. Inner and outer gimbal have freedom of 360°. A remote electrical pulse is used to actuate a pressure squib for uncaging the spring. Suitable in particular for man-portable anti-armor/anti-tank missiles, for anti-aircraft as well as air-to-surface missiles and for many other applications.



Specifications

Max Drift (Scorsby / Random Vibration)	
Time	Outer
30 sec	0.5°
60 sec	1.0 °
90 sec	1.5°
Wire Wound / Conductive Potentiometer Pickoff	
Active Range	357 ±2 deg.
Resistance	5.0 kOhm ±5%
Linearity	<0.5%
Uncaging & Ready Time	
Uncage Current	0.3 Amp. min.
Ready Time	<150 msec
Environmental	
Temperature	-55° to +85°C
Shock	100 G, 6 msec / all axes
Random Vibration	
Sinusoidal	10.0 GRMS
Random	10.5 GRMS
Weight	
500 gm. max	

Drawing



All dimensions are in mm

For Additional Information

To learn more about the G-070 Stored Energy Two-Axis Free Gyroscope or other MTC products, contact MTC on **+972 4 998 7772** or email marketing@mtcind.com