

# GC80/GC85

## Compact Gyro System MK2

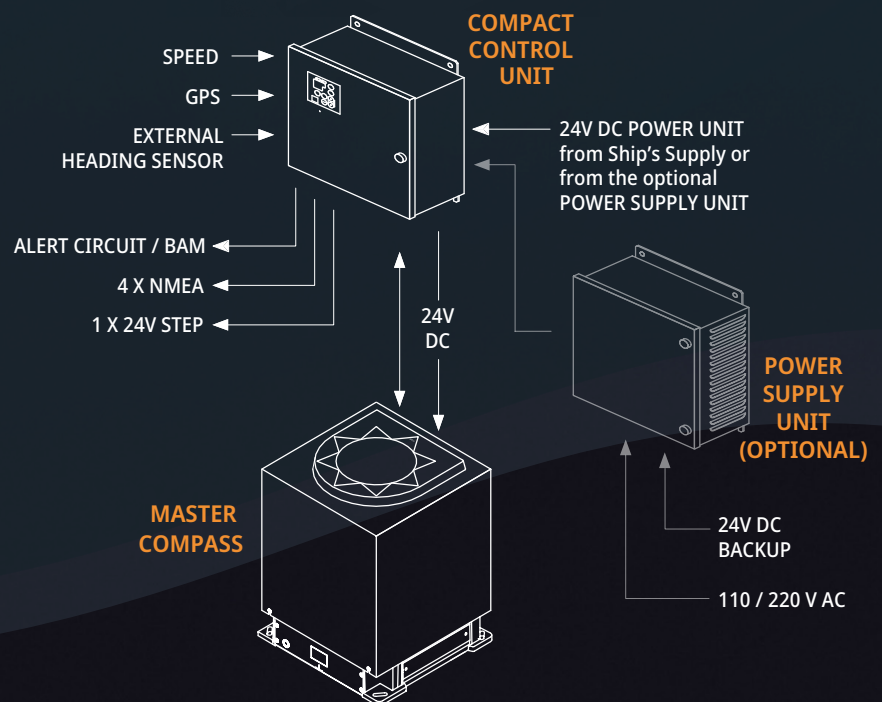
GC80 and GC85 Compact MK2 Gyro compasses have been designed for any size of vessels to enhance the navigational capabilities and reliability.

The Gyro compasses eliminate the inconvenience and limitations of magnetic compasses, and provide a variety of electrical outputs to supply accurate and consistent heading information to other navigational equipment.



GC80 is made for standard vessels, while GC85 meets the requirements for High-Speed Craft (HCS) classed vessels.

Utilizing the same Controller and Master Compass for both systems, with only difference being the sensitive element allows a technician to get familiar with both systems with no independent training required.



## Key Features

- Fully sealed sensitive elements that require no annual servicing, and are swappable for on board service
- Low RPM reduces wear and increases lifetime
- No annual oil change required –virtually maintenance free
- High follow-up rate
- Wide range of control unit options provide complete flexibility of system configuration for new installations and easy retrofit into existing heading distribution and repeater systems.
- IMO approved for standard (GC80) and High Speed Craft (GC85)

## Specifications

Accuracy Settling time	within 3 hours (If startup heading is within +/-5° of actual heading)	Range of speed correction:	0-50 knots (GC80) / latitude (0° - +70°) 0-70 knots (GC85) / latitude (0° - +70°)
Settle point error:	less than ±0.3°	Main power supply	24V DC
RMS value of the difference	less than 0.1°	Power supply for alarm and backup	24V DC 70 W
Repeatability of settle point error	less than ±0.2°	Voltage fluctuation	DC -20% - +30%
Roll and pitch error	less than ±0.5° less than ±0.1°	Power consumption	Start: 3.3A at 24V DC Running: 2.6A at 24V DC
Static error	less than ±0.1°	Repeater type	24 V DC – 6 step/°
Settle point error under general conditions	less than ±0.5°	Number of step repeater connections	1
GC85 Speed and acceleration error	less than ±2.0°	Number of NMEA connections	4
Follow-up speed (follow-up system)	> 75°/sec	Repeater backup circuits	1+4
Gimbal freedom .for both roll and pitch	:±45°		

## Global Service & Support

### Includes:

- 2 Year Warranty
- Extended Warranty Options
- Service & Support Hotlines
- 2 Year Onboard Support\*

\* Applies to certified vessels only

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