

TG-6000

The High Performance Gyrocompass!

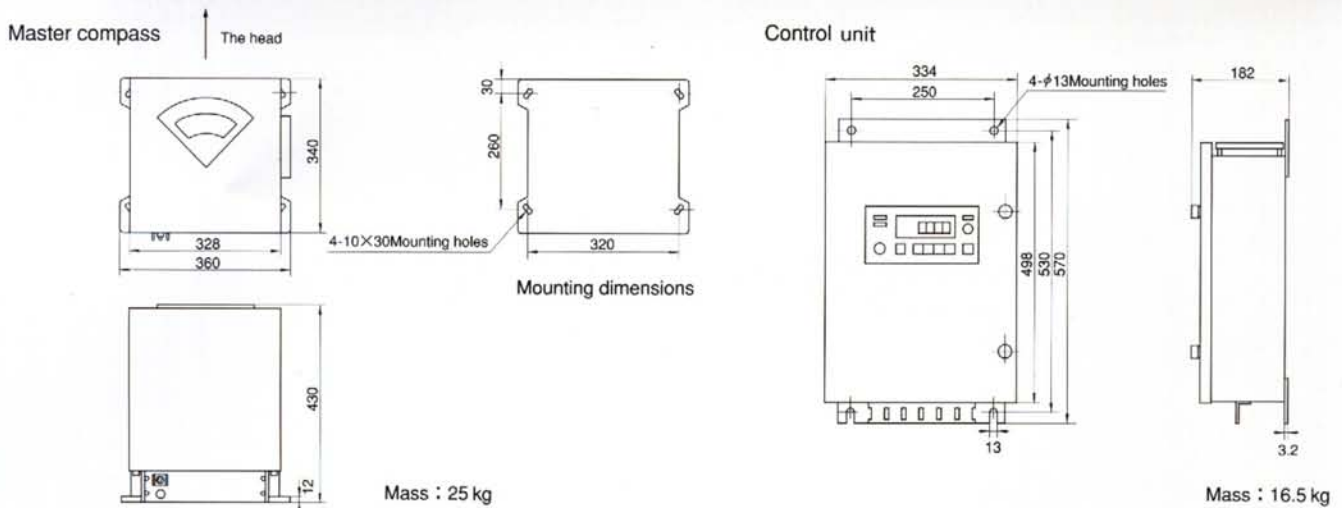
The TG-6000 Gyrocompass features longer life and a diverse range of output signals, both the results of Tokimec's extensive experience in design and manufacturing. The TG-6000, in space-saving compact form, consists of two units, a master compass and control unit.



Features

1. Longer life
2. Low power consumption
3. Compatible with NMEA 0183 signal
4. Down sized
5. High accuracy
6. Conforms to IMO performance standards
7. Compatible with IBS (Integrated Bridge System)

Configurations



Specifications

Power supply	
Main Power Supply	: AC 100/110/220 V 1PH 50/60 Hz
Emergency Power Supply	: DC 24 V
Power Consumption	
Starting	: 140 VA (Master compass)
Operating	: 70 VA (Master compass)
Output Signal	
	: DC 24 V Stepper, 9 Repeaters, Max. 8.5 A
	Repeater Back Up DC 24 V Step within 3 Repeaters, Max. 2.5 A (Option)
Digital Signal	• RS422 × 4 ports (Option)
	• NMEA0183 or RS422 × 2 ports (Option)
	(True Heading/Speed/Turn Rate) (Option)
Analog Signal	• Turn Rate -5 ~ +5 V × 1 port (Option)
	• Turn Rate Scaleover × 1 port (Option)
Input Signal	
Speed	: Pulse (200 Pulses/nm Dry Contract) × 1 port
GPS	: Digital Signal • RS422 × 1 port
	(Lat./Long./Speed)
Performance Specifications	
Settling Accuracy • Settling Time	: within 4 hours (Under Operation of SLEW Mode : within 2 hours)
• Settling Point Error	: Less than $\pm 0.3^\circ$
• RMS Value	: Less than 0.1°
• Repeatability of Settle Point	: Less than $\pm 0.2^\circ$
Accuracy on Scoresby Table	: Less than $\pm 0.5^\circ$
Follow Up Speed	: $24^\circ/\text{sec}$
Accuracy Under Environmental Variation	: Less than $\pm 0.5^\circ$
Environmental Conditions	
Gimbal Freedom Angle	: $\pm 45^\circ$ (Roll/Pitch)
Permissible Vibration	: Performance Standard
Permissible Temp.	: $-10 \sim +50^\circ\text{C}$



Before operating this equipment, you should first thoroughly read the operation manual.

Design and specifications are subject to change without prior notice, and without any obligation on the part of the manufacturer.

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